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ELECTRICAL / TELCOM / AV

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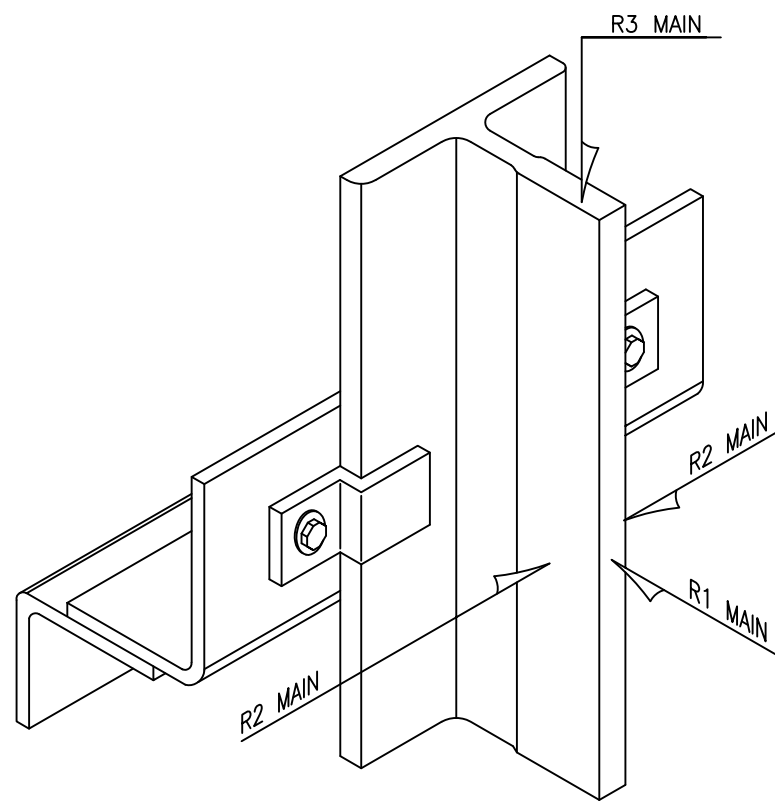
LIGHTING

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SECURITY ELECTRONICS

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Revisions



RAIL FORCES MAXIMUM ON EACH GUIDE RAIL  
(FORCES ARE IN KIPS)

	ELEVATOR NUMBER	1-4	5 AND 7-8	6	OCCURRING ON
NORMAL FORCES	CAR R1	1.4	1.3	1.1	CAR NORMAL FACE OF MAIN RAIL
	CAR R2	0.9	1.0	0.8	CAR NORMAL SIDE OF MAIN RAIL - LOADING OR RUNNING
	CAR R3	31.2	33.6	31.2	FORCE TRANSMITTED TO PIT STRUCTURE AT CAR SAFETY APPLICATION*
	CWT R3	N/A	N/A	N/A	FORCE TRANSMITTED TO PIT STRUCTURE AT CWT SAFETY APPLICATION*
ASME A17.1 SEISMIC FORCES	CAR R1	2.8	3.1	2.5	CAR SEISMIC ** FACE OF MAIN RAIL
	CAR R2	1.4	1.6	1.3	CAR SEISMIC ** SIDE OF MAIN RAIL - LOADING OR RUNNING
	CWT R1	2.9	3.3	2.6	CWT SEISMIC ** FACE OF CWT RAIL
	CWT R2	1.5	1.6	1.3	CWT SEISMIC ** SIDE OF CWT RAIL
IBC SEISMIC FORCES	CAR R1	2.3	2.6	2.1	CAR SEISMIC *** FACE OF MAIN RAIL
	CAR R2	1.2	1.3	1.0	CAR SEISMIC *** SIDE OF MAIN RAIL - LOADING OR RUNNING
	CWT R1	2.5	2.7	2.2	CWT SEISMIC *** FACE OF CWT RAIL
	CWT R2	1.2	1.4	1.1	CWT SEISMIC *** SIDE OF CWT RAIL

FOR SOME MACHINE ROOM-LESS (MRL) MODELS, PROVIDE ADDITIONAL LATERAL  
SUPPORTS ABOVE THE TOP TERMINAL FOR LARGE GUIDE RAIL FORCES DUE TO HOIST  
MACHINE, DEFLECTOR SHEAVE, AND DEAD END HITCH LOADS (NORMAL FORCES R1  
AND R2 CAN BE OVER 13.3 KN [3.0 K] FOR SOME APPLICATIONS). COORDINATE  
LOADING AND SUPPORT LOCATIONS WITH ELEVATOR CONTRACTOR.

ASME A17.1

BUILDING SUPPORTS TO RESIST HORIZONTAL FORCES WITH A TOTAL DEFLECTION  
AT SUPPORT POINT NOT IN EXCESS OF 3 MM (1/8") UNDER NORMAL CONDITIONS.

\* THESE REACTIONS DO NOT OCCUR SIMULTANEOUSLY WITH PIT BUFFER REACTIONS

\*\* BUILDING SUPPORTS FOR GUIDE RAIL ATTACHMENT SHALL RESIST HORIZONTAL  
FORCES WITH A TOTAL DEFLECTION NOT IN EXCESS OF 6.4 MM BASED  
UPON 0.5 G ACCELERATION DURING SEISMIC CONDITIONS.

IBC

\*\*\* BUILDING SUPPORTS FOR GUIDE RAIL ATTACHMENT SHALL RESIST HORIZONTAL  
FORCES DURING SEISMIC CONDITIONS.

IBC VARIABLES USED FOR SEISMIC CALCULATIONS:  
SEISMIC DESIGN CATEGORY = 0  
ELEVATOR IMPORTANCE FACTOR (Ip) = 1.0 (ALL ELEVATORS)  
SDS = 0.871  
HORIZONTAL ACCELERATION EQUIVALENT = 0.42 G (FOR REF ONLY)

VT01	GENERAL ELEVATOR INFORMATION
VT02	PLANS PUBLIC ELEVATORS 1-3 & FUTURE ELEV. 4
VT03	HOISTWAY SECTIONS PUBLIC ELEVATORS 1-3 & FUTURE ELEV. 4
VT04	PLANS AND HOISTWAY SECTION INMATE ELEVATOR 5
VT05	PLANS AND HOISTWAY SECTION JUDICIAL ELEVATORS 6-7
VT06	PLANS AND HOISTWAY SECTION INMATE ELEVATOR 8

1 INDEX OF DRAWINGS  
SCALE: NTS

ELEVATORS 1-3 & FUTURE ELEV. 4	4000# @ 350 FPM
ELEVATORS 5 & 8-7	4500# @ 350 FPM
ELEVATOR 6	3500# @ 350 FPM

2 SUMMARY OF ELEVATORS  
SCALE: NTS

AFT	ABOVE FINISH FLOOR	DIM.	DIMENSION	HP	HORSEPOWER	O.A.	OVERALL
A/P	ACCESS PANEL	DC	DIRECT CURRENT	HYDR.	HYDRAULIC	OPP.	OPPOSITE
A/C	AIR CONDITIONING	DISC.	DISCONNECT	IBC	INTERNATIONAL BUILDING	DWHD	OVERHEAD
ALT.	ALTERNATE	DBC	DISTANCE BETWEEN	CODE	CODE	PLT	PLATE
AC	ALTERNATING CURRENT	DWG	GUIDE RAILS	IN.	INCH (INCHES)	PLTFM	PLATFORM
ASME	MECHANICAL ENGINEERS	DN	DOWN	IGBT	INSULATED GATE	#	POUNDS PER
AMP	AMPERE	E.A.	EACH	J/S	JOULES PER SECOND	PSI	SQUARE INCH
APPROX	APPROXIMATE	ELEC.	ELECTRICAL	KCAL	KILOCALORIE	PRELIM	PRELIMINARY
ARCH.	ARCHITECTURAL	EL.	ELEVATION	KG	KILOGRAMS	RAD.	RADIUS
AUX.	AUXILIARY	ELEV.	ELEVATOR	KN	KILONEWTONS	R/O	REAR OPENING
BSMT	BASEMENT	ETS	EMERGENCY TERMINAL	KVA	KILOVOLT-AMPERE	REQ.	REQUIRED
BOT.	BOTTOM	EQ.	EQUAL	KW	KILOWATTS	REV.	REVISION
BTUH	BRITISH THERMAL UNITS	EQ.	EQUAL	K	KIPS	RM	ROOM
	PER HOUR	EQUIP.	EQUIPMENT	LT	LIGHT	R.O.	ROUGH OPENING
BM	BEAM	ESCL.	ESCALATOR	MPS	METERS PER SECOND	SEC.	SECONDARY
BOCA	BUILDING OFFICIALS AND	(E)	EXISTING	MACH.	MACHINE	SECT.	SECTION
	CODE ADMINISTRATION	'F	FAHRENHEIT	MRL	MACHINE-ROOM-LESS	SHT	SHEET
CLG	CEILING	FPM	FEET PER MINUTE	MAX.	MAXIMUM	SCR	SILICON CONTROLLED
&	CELSIUS	F.V.	FIELD VERIFY	MEZZ.	MEZZANINE	REC	RECTIFIER
CU	CENTERLINE	F.F.	FINISH FLOOR	M	METER	SM	SIMILAR
COL.	COLUMN	F/LR	FLOOR	MM	MILLIMETERS	SPEC.	SPECIFICATION
CUR.	CLEAR	FLUJ.	FOOT (FEET)	MIN.	MINIMUM	SF	SQUARE FEET
CONC.	CONCRETE	FLUOR.	FLUORESCENT	MISC.	MISCELLANEOUS	SM	SQUARE METERS
CMU	CONCRETE MASONRY	F/O	FRONT OPENING	MG	MOTOR-GENERATOR	STD	STANDARD
	UNITS	FUT.	FUTURE	MTD	MOUNTED	STL	STEEL
CONT.	CONTINUOUS	G	GRAVITY	NEC	NATIONAL ELECTRICAL	STRUCT.	STRUCTURAL
CONTR.	CONTRACTOR	GFCI	GROUND FAULT CIRCUIT	NFPA	NATIONAL FIRE	SW.	SWITCH
COORD	COORDINATE	GOV.	GOVERNOR		PROTECTION	TSD	TO BE DETERMINED
CNTRL	CONTROLLER	GUAR.	GUARD		ASSOCIATION	T.O.	TOP OF
CWT	COUNTERWEIGHT	GYP. BD.	GYPSUM BOARD	(N)	NEW	UNO	UNLESS NOTED OTHERWISE
CYL.	CYLINDER	HT	HEIGHT	NOM.	NOMINAL	VERT.	VERTICAL
DEH	DEAD END HITCH	HZ	HERTZ	N/A	NOT APPLICABLE	V.	VOLT
D.	DEEP	H	HIGH	NTS	NOT TO SCALE	W.	WIDE
	DEGREES	HSTWY	HOISTWAY	NO.	NUMBER	W/	WITH
DTL	DETAIL	HORIZ.	HORIZONTAL	O.C.	ON CENTER	WP	WORKPOINT
Ø	DIAMETER	HR	HOUR	OPNG	OPENING		

3 ABBREVIATIONS  
SCALE: NTS

- THESE DRAWINGS FOR GENERAL INFORMATION ONLY. REQUIREMENTS OF INDIVIDUAL VENDORS MAY VARY.
- THESE DRAWINGS TO BE DISTRIBUTED TO APPROPRIATE CONSULTING AND ENGINEERING FIRMS, INCLUDING ARCHITECT, STRUCTURAL, ELECTRICAL AND MECHANICAL ENGINEERS.
- FIELD VERIFY ALL EXISTING DIMENSIONS.
- ROUGH OPENING DIMENSIONS FOR ELEVATOR ENTRANCES APPLY ONLY IN THE CASE OF MASONRY OR CONCRETE CONSTRUCTION.
- VERTICAL STRUCTURAL SUPPORT FOR RAIL BRACKETING IS PROVIDED BY HOISTWAY WALLS IN THE CASE OF REINFORCED CONCRETE HOISTWAY CONSTRUCTION.

4 GENERAL NOTES  
SCALE: NTS

POWER FEEDER REQUIREMENTS (MAIN POWER SUPPLY: 480-3-60)											
ELEVATOR NUMBER	CAPACITY (POUNDS)	SPEED (FPM)	TRACTION DRIVE HP RATING	HYDRO MOTOR HP	HYDRO STARTING AMPS			FULL LOAD AMPS		HEAT RELEASE	
					LOCKED ROTOR	SOLID STATE	WYE DELTA	RUNNING	ACCELERATING	MACHINE SPACE BTUH PER CAR	CONTROLLER SPACE BTUH PER CAR
1-4	4000	350	30	N/A	N/A	N/A	N/A	36	90	4,500	13,600
5, 7-8	4500	350	40	N/A	N/A	N/A	N/A	41	90	5,000	18,050
6	3500	350	30	N/A	N/A	N/A	N/A	35	78	4,000	13,600

NOTES:

- ELECTRIC POWER AND CURRENT ARE BASED ON THREE (3) PHASE A.C. POWER SUPPLY.
- MAIN POWER TO BE PROVIDED AT EACH CONTROLLER THROUGH DISCONNECTING MEANS MEETING NEC REQUIREMENTS.
- MAIN POWER SUPPLY FEEDERS TO LIMIT VOLTAGE DROP TO LESS THAN 5%.
- USE COPPER CONDUCTORS ONLY.
- FEEDER DEMAND FACTORS (NEC SECTION 430-26 AND 620-14)=  
(2) CARS= 95% (3) CARS= 90% (4) CARS= 85% (5) CARS= 82% (6) CARS= 79% (7) CARS= 77%  
(8) CARS= 75% (9) CARS= 73% (10) CARS= 72%
- MACHINE SPACE TEMPERATURE TO BE MIN. 13° C (55° F.) (10° C /50° F. IN MASS.), MAX. 32° C (90° F.)  
TO BE MEASURED 1839 MM (6'-0") ABOVE FINISH FLOOR AT APPROX. CENTER OF ROOM.
- RELATIVE HUMIDITY MAX. 80% NON-CONDENSING.
- THE SELECTION OF MAIN POWER SUPPLY DISCONNECTING MEANS OVERCURRENT PROTECTION TO BE SIZED IN ACCORDANCE  
WITH THE NATIONAL ELECTRIC CODE, SECTIONS 620-51 AND 430-52.
- PROVIDE LOCAL TELEPHONE SERVICE LINE TO EACH CAR CONTROLLER (IF APPLICABLE).
- PROVIDE GFCI CONVENIENCE OUTLETS PIT, MACHINE ROOM AND MACHINERY SPACES. IN PIT, PROVIDE ONE NON-GFCI  
OUTLET FOR SUMP PUMP AND/OR OIL RETURN PUMP.
- PROVIDE HOIST MACHINE WITH VOLTAGE TO MATCH SUPPLY VOLTAGE INDICATED, U.N.O.

ADDITIONAL POWER AND DISCONNECT REQUIREMENTS IN MACHINE ROOM

AUXILIARY SYSTEM	SUPPLY TERMINAL	SUPPLY VOLTAGE	CIRCUIT CAPACITY
CAR LIGHT AND FAN WITH LOCKABLE DISCONNECT	EACH CONTROLLER	120-1-60	(15 AMP PER CAR)
INTERCOM SYSTEM (IF APPLICABLE)	AT AMPLIFIER	120-1-60	1800 WATTS (15 AMP MIN)
AIR CONDITIONING AND HEATING SOURCE (IF APPLICABLE)	EACH CONTROLLER	120-1-60	(20 AMP PER CAR)
CONDENSATE EVAPORATOR UNIT FOR AIR CONDITIONING (IF APPLICABLE)	EACH CONTROLLER	120-1-60	(30 AMP PER CAR)

5 ELEVATOR ELECTRICAL AND MECHANICAL REQUIREMENTS  
SCALE: NTS

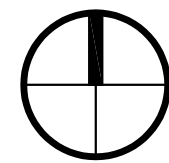
6 RAIL FORCES  
SCALE: NTS

NEW SNOHOMISH  
COUNTY  
COURTHOUSE

2933 Rockefeller Ave.  
Everett, Washington 98201

Drawing Title

GENERAL ELEVATOR  
INFORMATION



Date: 05.22.2015

Job No: HII-1309100

Drawn By: RFM

Checked By: DM

Drawing No.

VT01  
DESIGN  
DEVELOPMENT

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Revisions

NEW SNOHOMISH  
COUNTY  
COURTHOUSE

2933 Rockefeller Ave.  
Everett, Washington 98201

Drawing Title

PLANS PUBLIC  
ELEVATORS 1-3 &  
FUTURE ELEV. 4



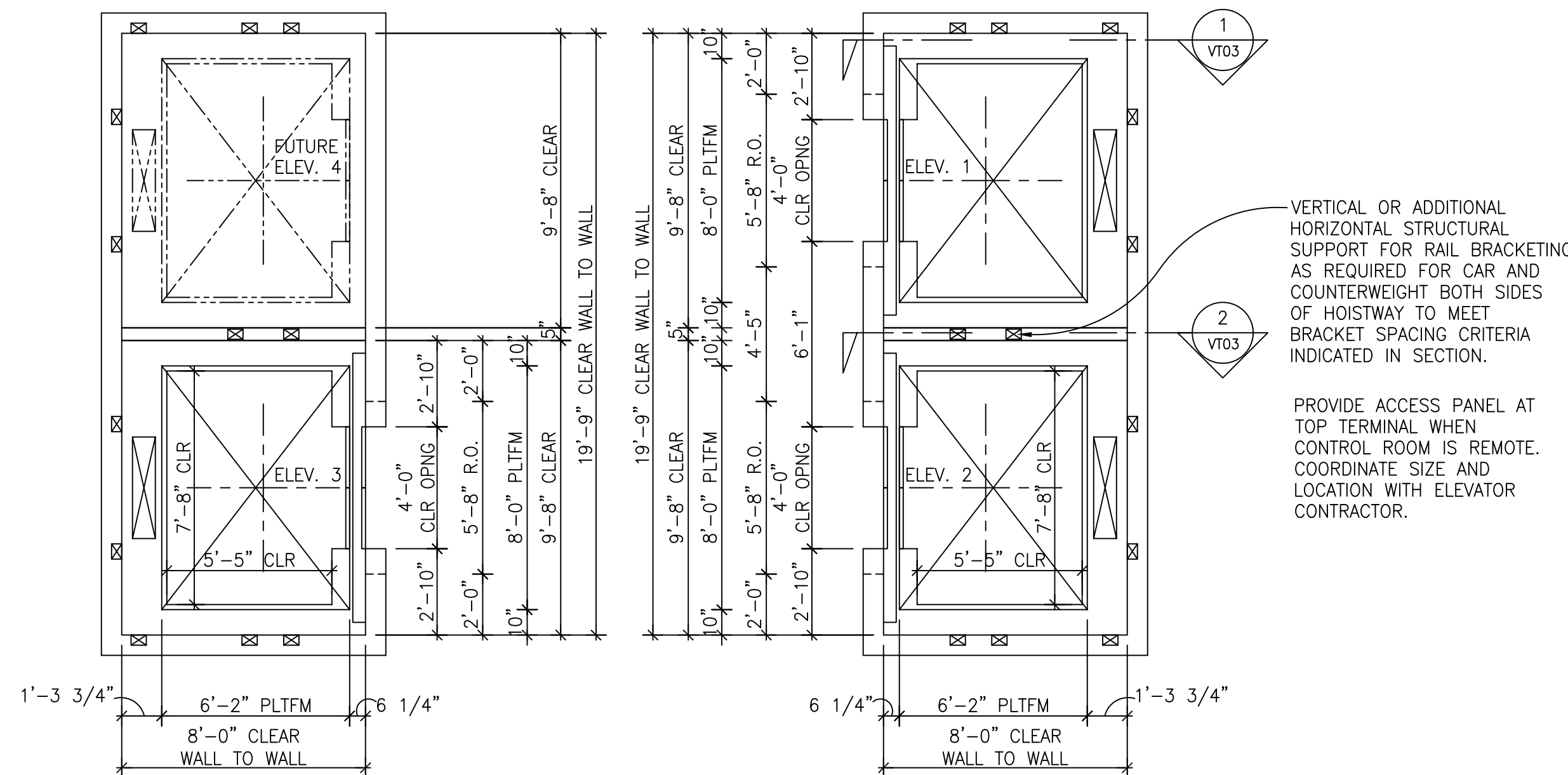
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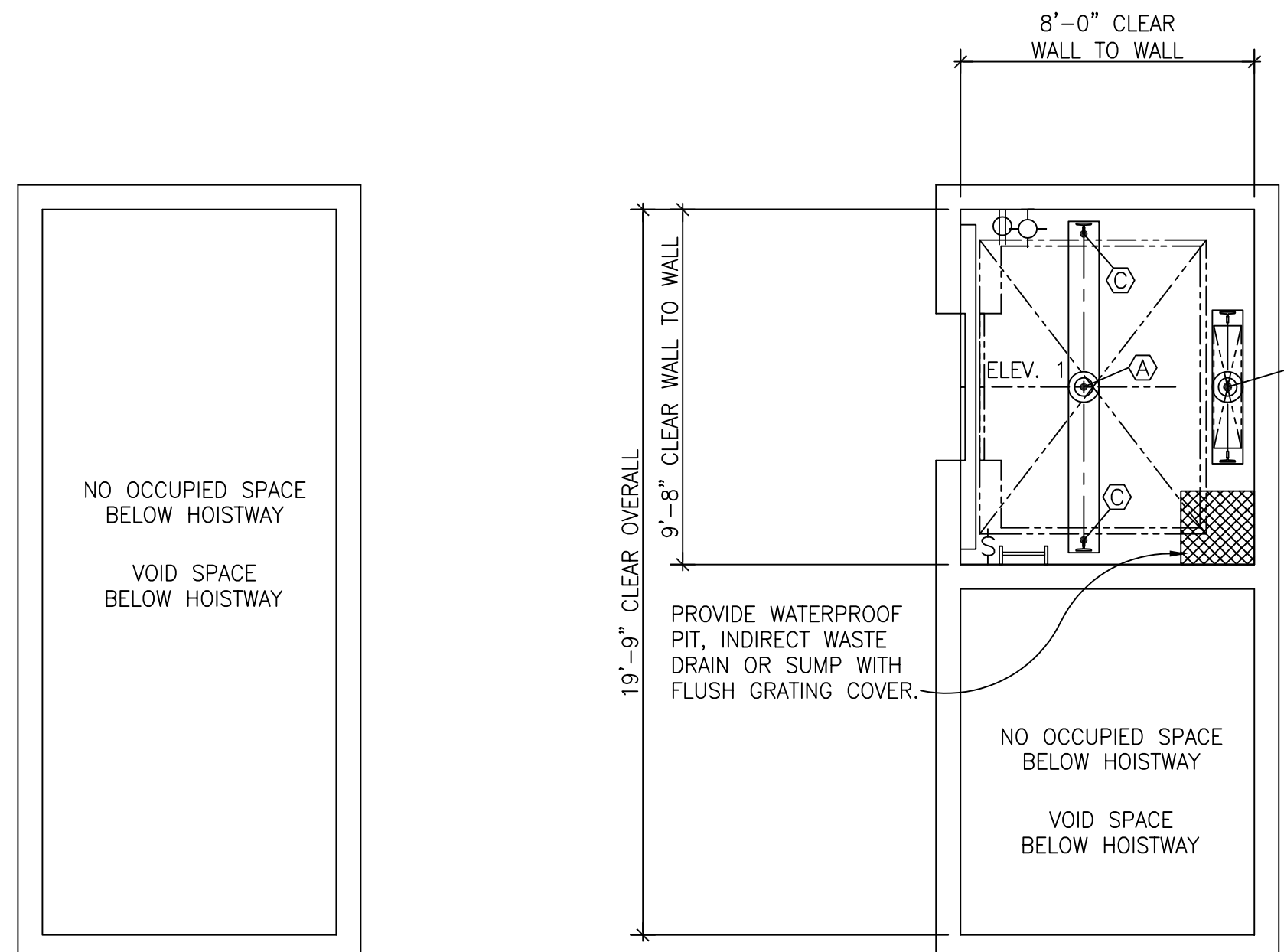
VT02  
DESIGN  
DEVELOPMENT

NOTES:  
- APPLICATION DESIGNED FOR:  
OTIS  
KONE  
THYSSENKRUPP  
MITSUBISHI

PIT AND OVERHEAD PLANS INDICATE REACTIONS FOR MACHINE ROOM-LESS EQUIPMENT OF VARIOUS ELEVATOR VENDORS. WHERE REACTIONS OF DIFFERENT VENDORS OVERLAP, THE HIGHER REACTION IS INDICATED. REACTIONS FOR ONE VENDOR DO NOT OCCUR WITH THE REACTIONS OF OTHER VENDORS. OVERHEAD PLANS ARE NOT SHOWN FOR VENDORS WITH NO REACTIONS IN THE OVERHEAD.



LEVELS 1-8  
HOISTWAY PLAN  
PUBLIC ELEVATORS 1-3 & FUTURE ELEV. 4  
SCALE: 1/4" = 1'-0"  
DUTY: 4000# @ 350 FPM



1  
VT02  
BASEMENT LEVEL  
PIT PLAN  
PUBLIC ELEVATOR 1  
SCALE: 1/4" = 1'-0"  
DUTY: 4000# @ 350 FPM

PIT REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF HOIST MACHINE SUPPORT. COORDINATE FINAL PIT REACTIONS WITH ELEVATOR SHOP DRAWINGS.

PIT REACTION TABLE		
DUTY: 4000# @ 350 FPM		
KEY	REACTION (FORCES IN KIPS)	DESCRIPTION
(A)	52.3	CAR BUFFER
(B)	47.8	CWT BUFFER
(C)	31.2 EACH	CAR SAFETY (SEE CAR RS RAIL FORCES)

\* THESE REACTIONS CAN OCCUR SIMULTANEOUSLY. OTHERWISE, REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

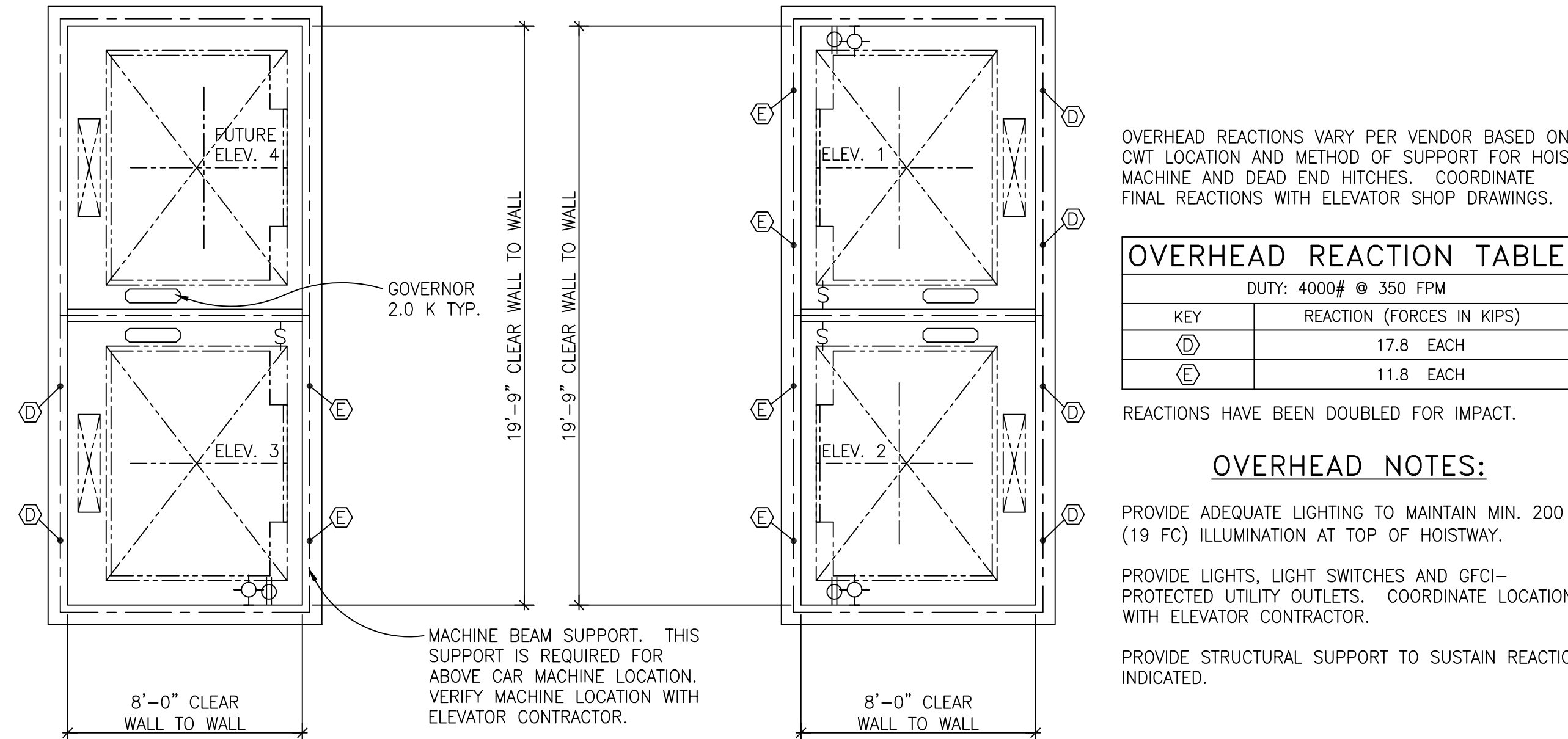
PIT NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.

PROVIDE PIT ACCESS LADDERS, LIGHT SWITCHES, LIGHTS, AND GFCI-PROTECTED UTILITY OUTLETS.

PROVIDE ONE PIT LADDER, LIGHT SWITCH, LIGHT FIXTURE, AND OUTLET PER ELEVATOR.

PROVIDE ADEQUATE STRUCTURAL SUPPORT REQUIRED FOR BUFFER AND RAIL FORCE REACTIONS.



4  
VT02  
OVERHEAD PLAN  
PUBLIC ELEVATORS 1-3  
SCALE: 1/4" = 1'-0"  
DUTY: 4000# @ 350 FPM

OVERHEAD REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF SUPPORT FOR HOIST MACHINE AND DEAD END HITCHES. COORDINATE FINAL REACTIONS WITH ELEVATOR SHOP DRAWINGS.

OVERHEAD REACTION TABLE	
DUTY: 4000# @ 350 FPM	
KEY	REACTION (FORCES IN KIPS)
(D)	17.8 EACH
(E)	11.8 EACH

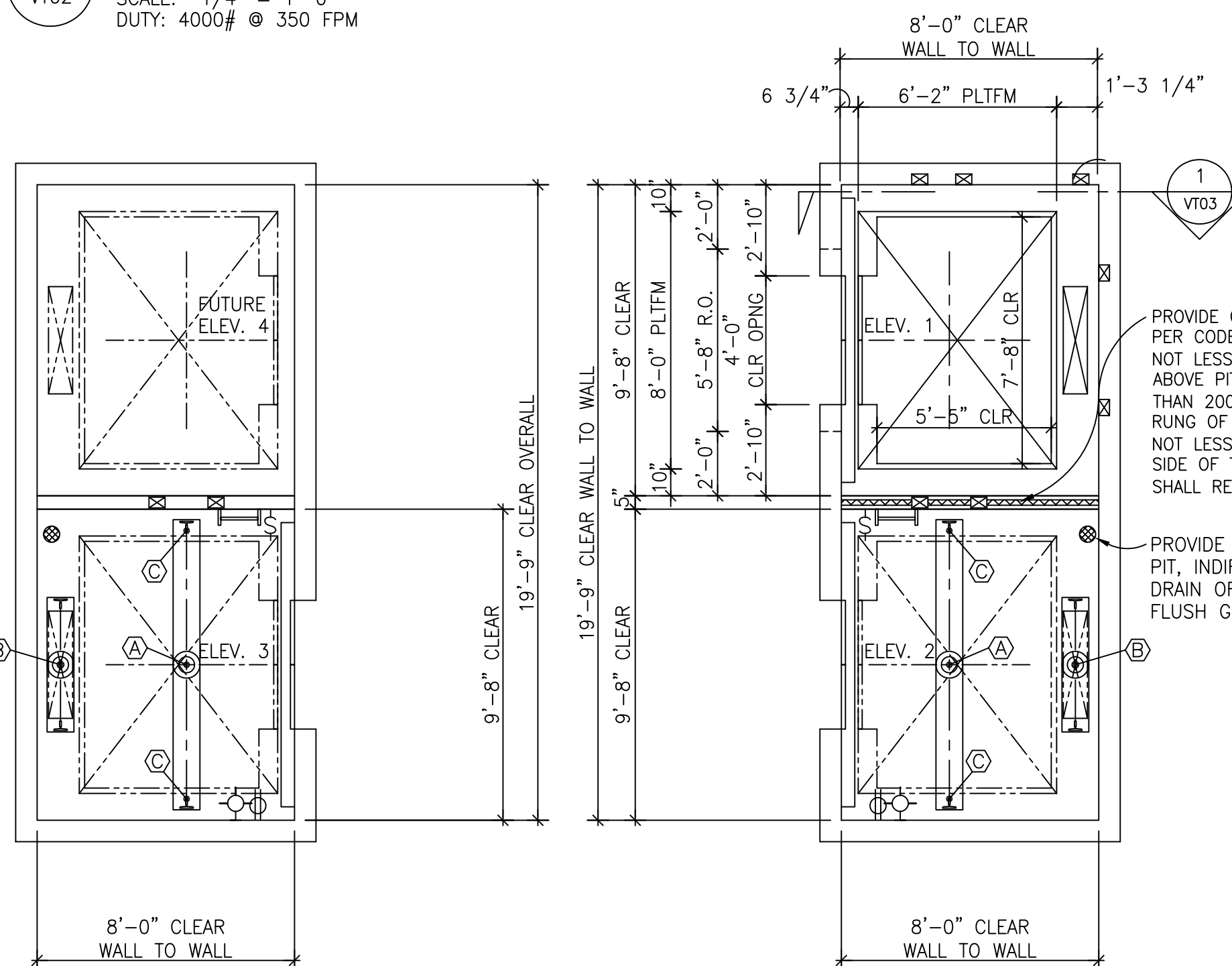
REACTIONS HAVE BEEN DOUBLED FOR IMPACT.

OVERHEAD NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT TOP OF HOISTWAY.

PROVIDE LIGHTS, LIGHT SWITCHES AND GFCI-PROTECTED UTILITY OUTLETS. COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR.

PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED.



2  
VT02  
LEVEL 1  
HOISTWAY PLAN  
PUBLIC ELEVATOR 1  
PIT PLAN  
PUBLIC ELEVATORS 2-3 & FUTURE ELEV. 4  
SCALE: 1/4" = 1'-0"  
DUTY: 4000# @ 350 FPM

PIT REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF HOIST MACHINE SUPPORT. COORDINATE FINAL PIT REACTIONS WITH ELEVATOR SHOP DRAWINGS.

PIT REACTION TABLE		
DUTY: 4000# @ 350 FPM		
KEY	REACTION (FORCES IN KIPS)	DESCRIPTION
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\* THESE REACTIONS CAN OCCUR SIMULTANEOUSLY. OTHERWISE, REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

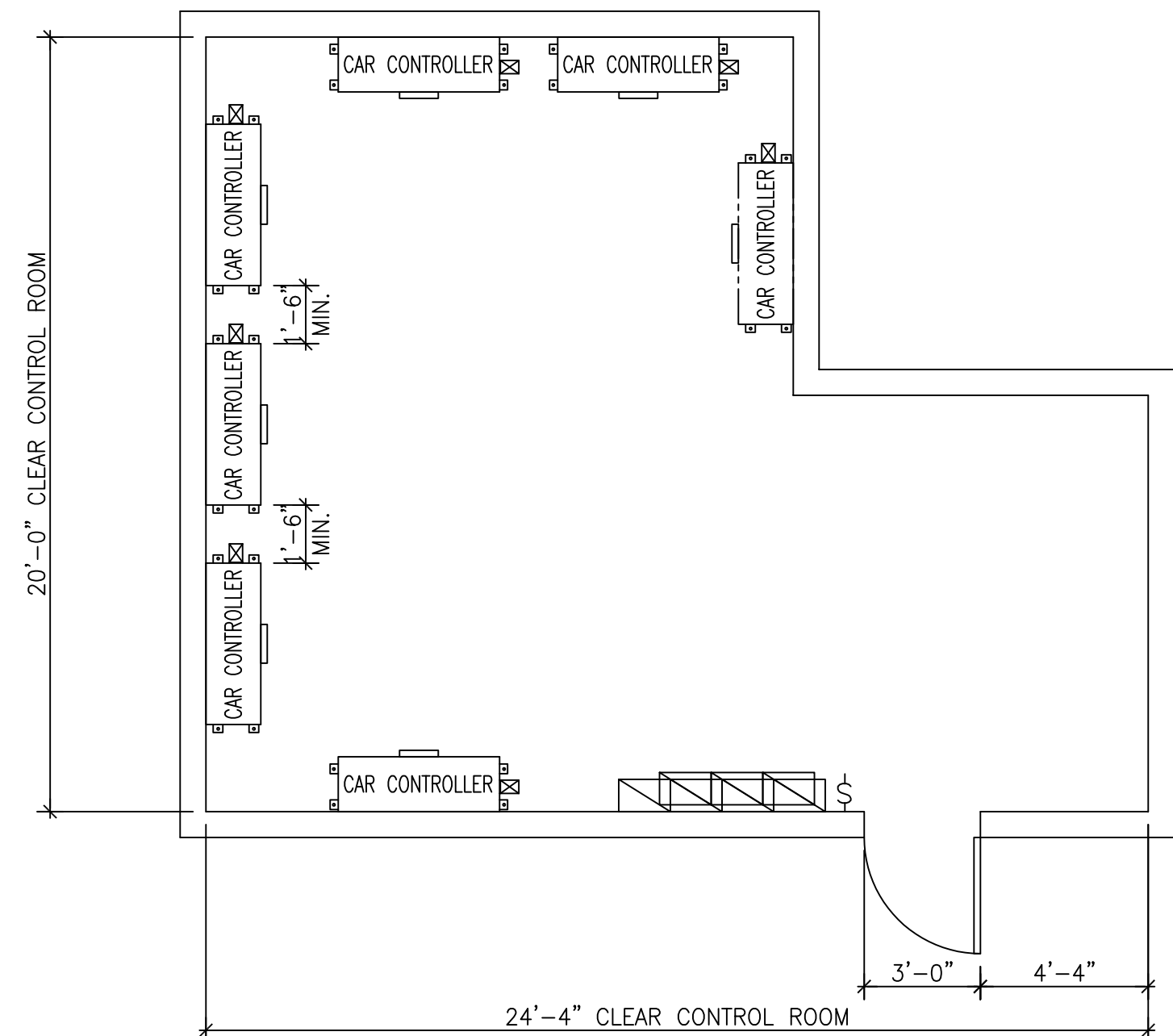
PIT NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.

PROVIDE PIT ACCESS LADDERS, LIGHT SWITCHES, LIGHTS, AND GFCI-PROTECTED UTILITY OUTLETS.

PROVIDE ONE PIT LADDER, LIGHT SWITCH, LIGHT FIXTURE, AND OUTLET PER ELEVATOR.

PROVIDE ADEQUATE STRUCTURAL SUPPORT REQUIRED FOR BUFFER AND RAIL FORCE REACTIONS.



5  
VT02  
ROOF LEVEL  
REMOTE CONTROL ROOM  
ELEVATORS 1-3, 5-7, & FUTURE ELEV. 4  
SCALE: 1/4" = 1'-0"  
DUTY: 4000# @ 350 FPM

CONTROL ROOM NOTES:

PROVIDE SELF-CLOSING, SELF-LOCKING CONTROL ROOM ACCESS DOOR.

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT CONTROL ROOM FLOOR.

PROVIDE LIGHT(S), LIGHT SWITCH(ES) AND GFCI-PROTECTED UTILITY OUTLET(S). COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR.

FOR CONTROL ROOM HEAT EMISSIONS SEE 5/VT01

PROVIDE 3-PHASE MAINLINE POWER FEEDER WITH DISCONNECTING MEANS FOR EACH ELEVATOR CONTROLLER. PROVIDE 1-PHASE FEEDER WITH DISCONNECTING MEANS FOR CAR LIGHTING, VENTILATION SYSTEM AND RECEPTACLE FOR EACH ELEVATOR. THESE DISCONNECTING MEANS SHALL INCLUDE OVERCURRENT PROTECTION, SHALL BE LOCATED IN THE MACHINE ROOM, AND SHALL MEET N.E.C. REQUIREMENTS.

FOR MOST VENDORS, CONTROLLER MUST BE WITHIN 80' WIRE RUN LENGTH FROM THE CORRESPONDING MACHINE AT THE TOP OF THE HOISTWAY.

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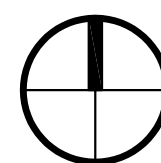
Revisions

NEW SNOHOMISH  
COUNTY  
COURTHOUSE

2933 Rockefeller Ave.  
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Drawing Title

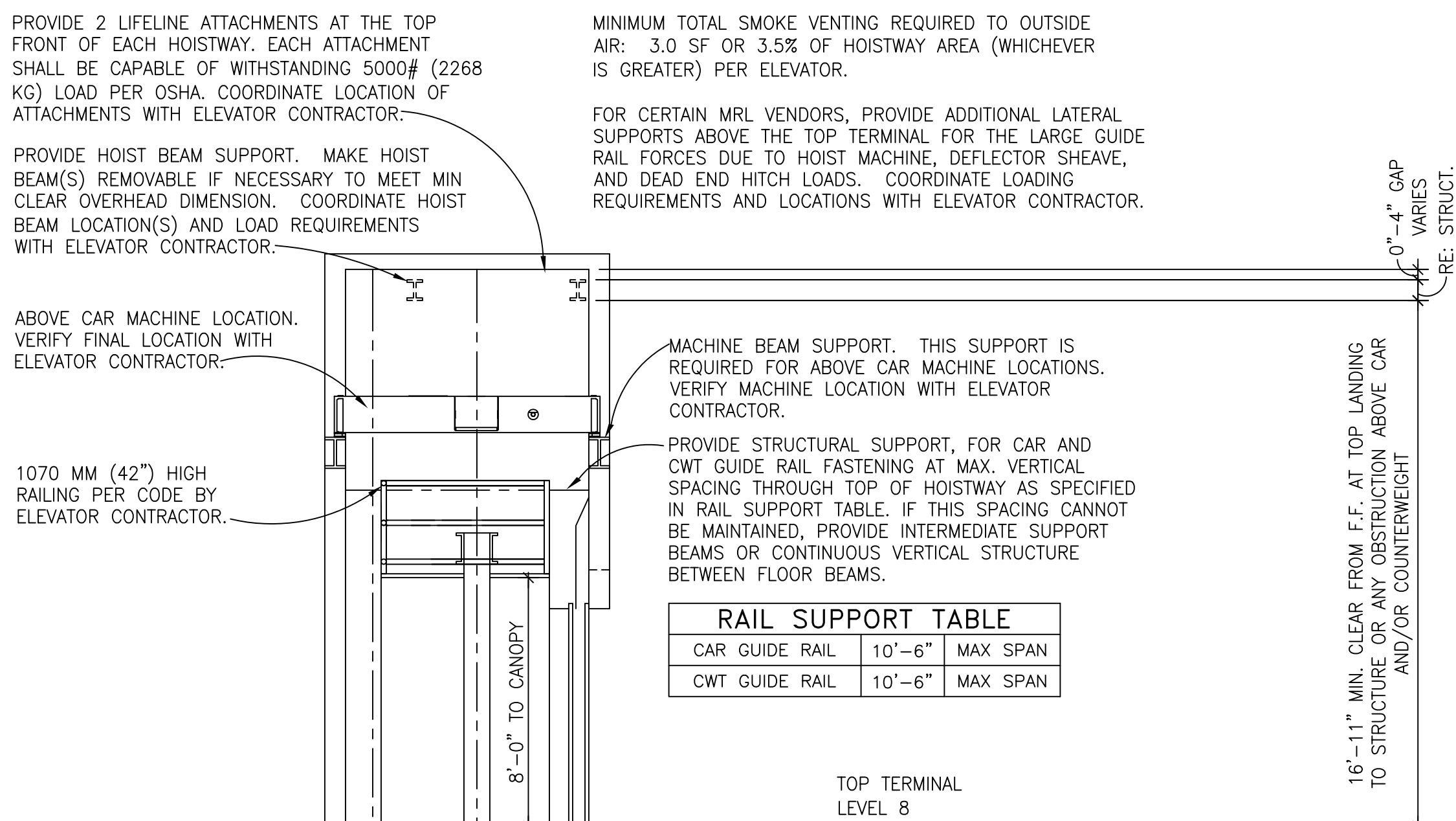
PLANS AND  
HOISTWAY SECTIONS  
PUBLIC ELEVATORS  
1-3 & FUTURE ELEV. 4



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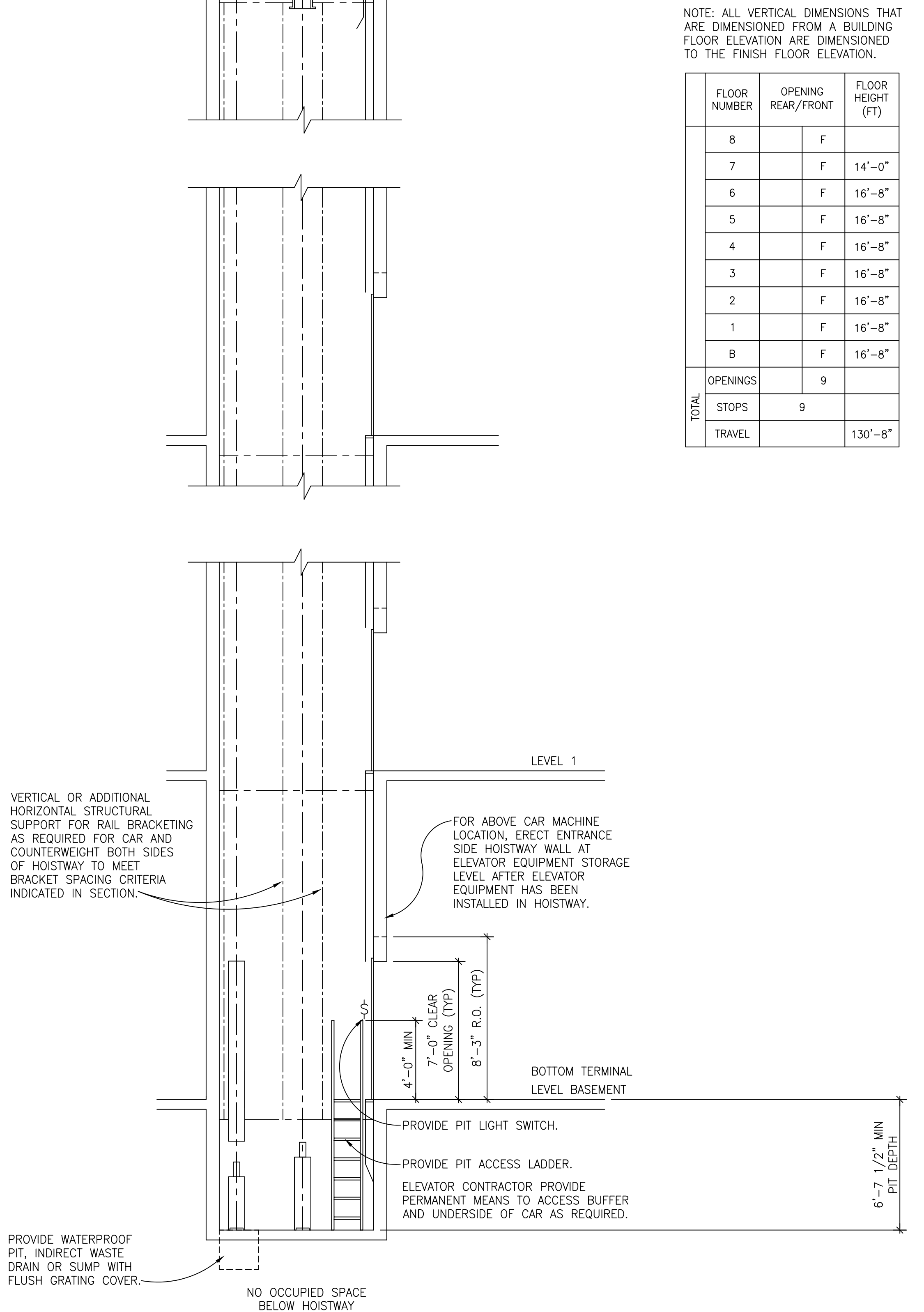
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VT03  
DESIGN  
DEVELOPMENT

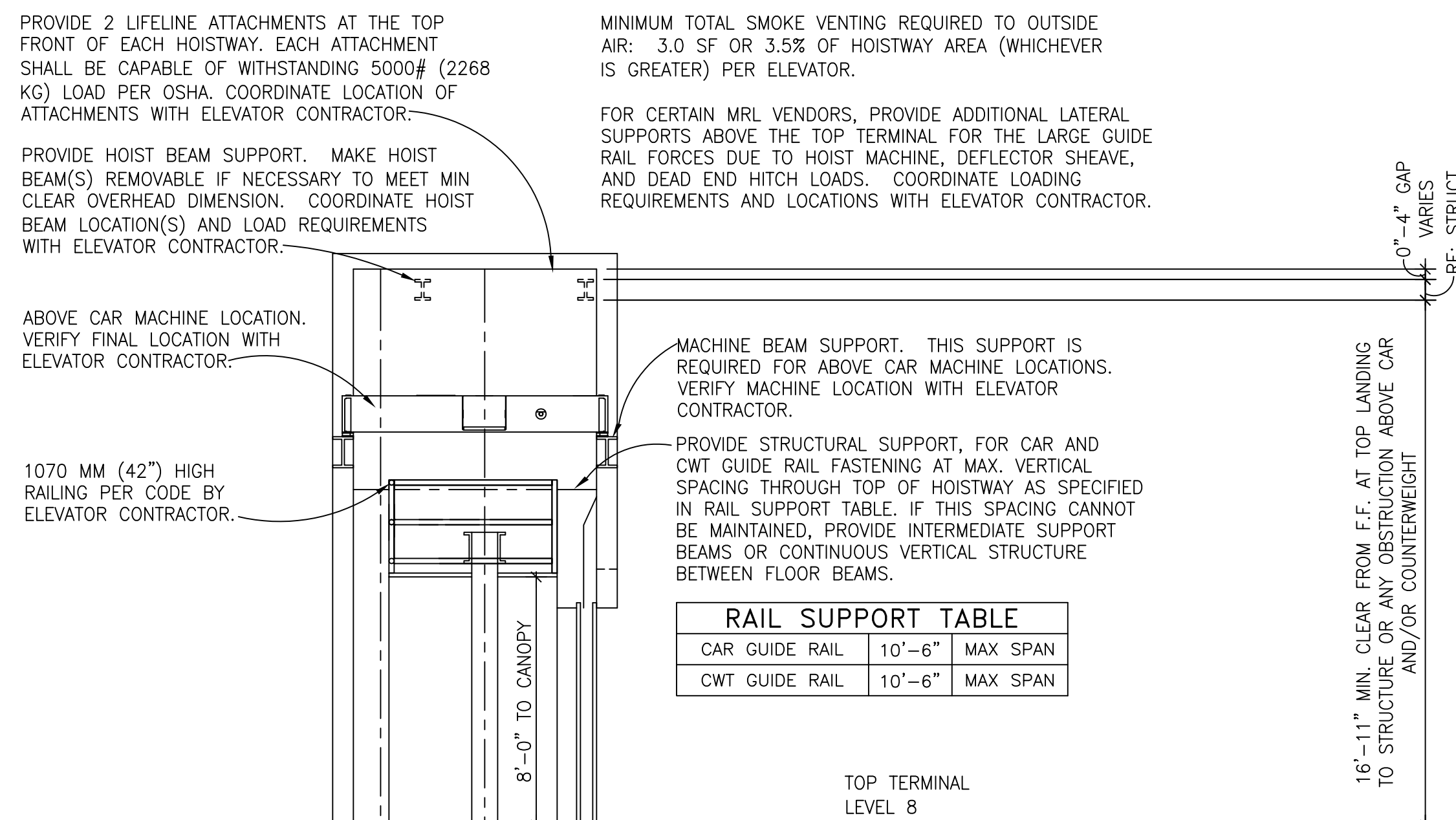


NOTE: ALL VERTICAL DIMENSIONS THAT ARE DIMENSIONED FROM A BUILDING FLOOR ELEVATION ARE DIMENSIONED TO THE FINISH FLOOR ELEVATION.

FLOOR NUMBER	OPENING REAR/FRONT	FLOOR HEIGHT (FT)
8	F	
7	F	14'-0"
6	F	16'-8"
5	F	16'-8"
4	F	16'-8"
3	F	16'-8"
2	F	16'-8"
1	F	16'-8"
B	F	16'-8"
TOTAL	OPENINGS	9
	STOPS	9
	TRAVEL	130'-8"

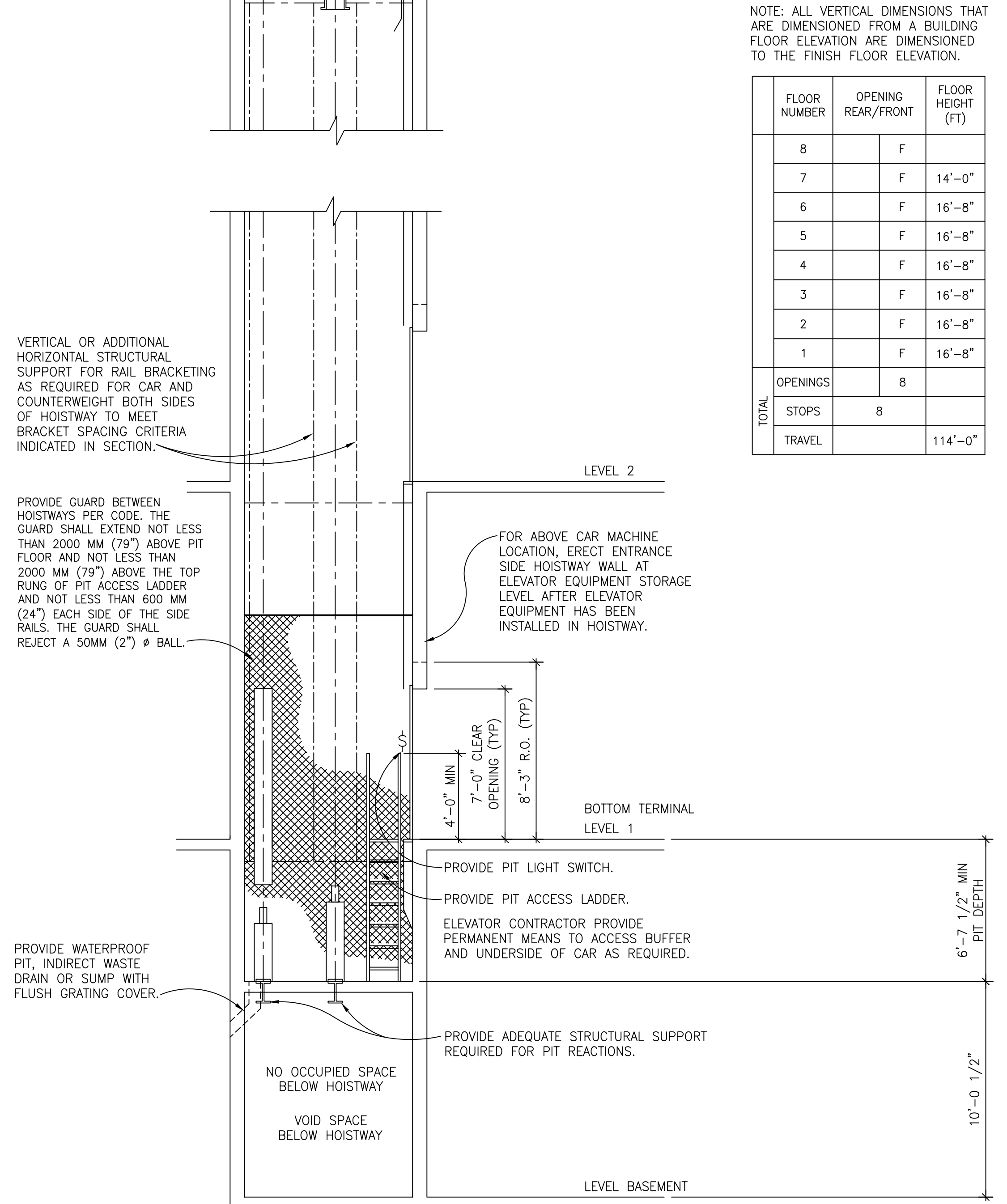


1  
VT03  
HOISTWAY SECTION  
PUBLIC ELEVATOR 1  
SCALE: 1/4" = 1'-0"  
DUTY: 4000# @ 350 FPM



NOTE: ALL VERTICAL DIMENSIONS THAT ARE DIMENSIONED FROM A BUILDING FLOOR ELEVATION ARE DIMENSIONED TO THE FINISH FLOOR ELEVATION.

FLOOR NUMBER	OPENING REAR/FRONT	FLOOR HEIGHT (FT)
8	F	
7	F	14'-0"
6	F	16'-8"
5	F	16'-8"
4	F	16'-8"
3	F	16'-8"
2	F	16'-8"
1	F	16'-8"
TOTAL	OPENINGS	8
	STOPS	8
	TRAVEL	114'-0"



2  
VT03  
HOISTWAY SECTION  
PUBLIC ELEVATOR 2 (ELEV. 3 & FUTURE 4 SIM.)  
SCALE: 1/4" = 1'-0"  
DUTY: 4000# @ 350 FPM



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ELECTRICAL / TELCOM / AV

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LIGHTING

CANDELA  
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SECURITY ELECTRONICS

GUIDEPOST SOLUTIONS  
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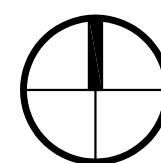
Revisions

NEW SNOHOMISH  
COUNTY  
COURTHOUSE

2933 Rockefeller Ave.  
Everett, Washington 98201

Drawing Title

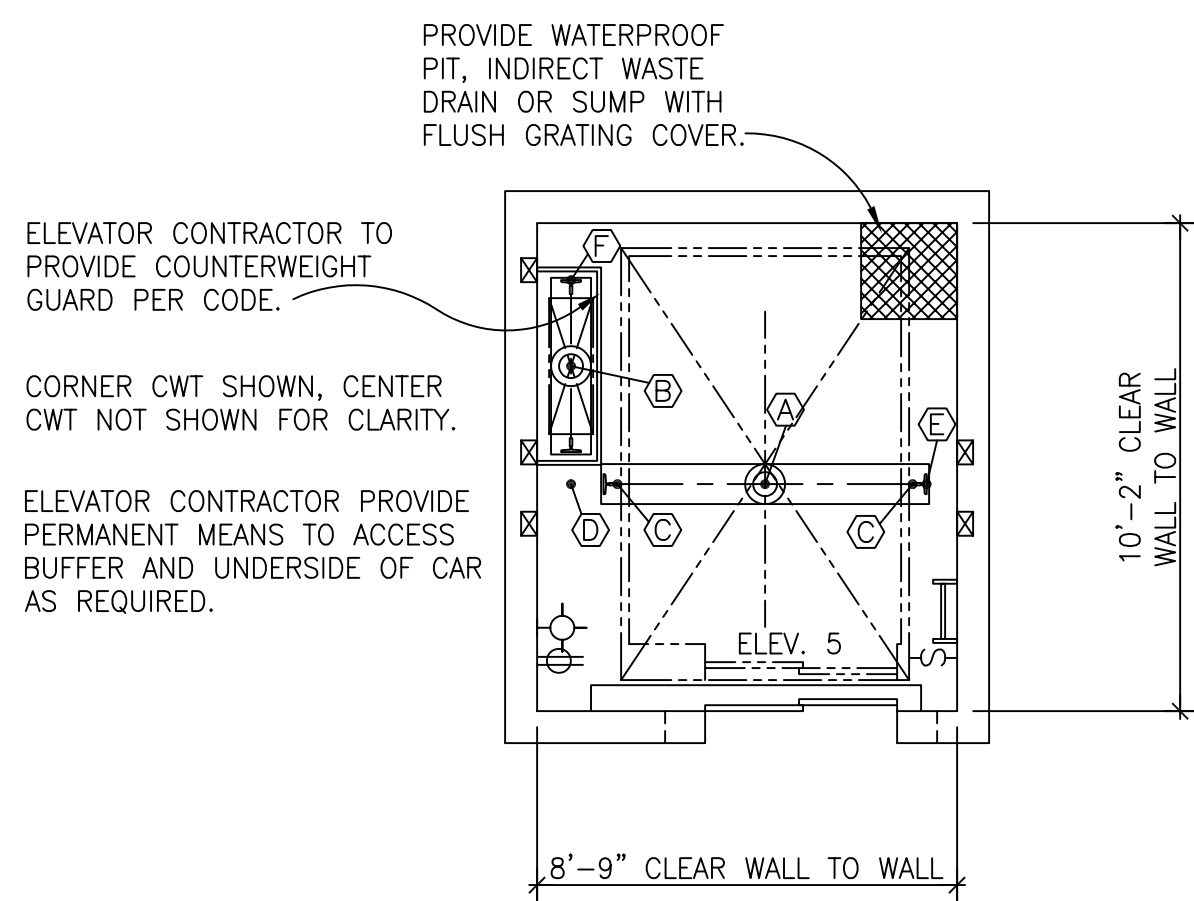
PLANS AND  
HOISTWAY SECTION  
INMATE ELEVATOR 5



Date: 05.22.2015  
Job No: HIL-1309100  
Drawn By: RFM  
Checked By: DM

Drawing No.

VT04  
DESIGN  
DEVELOPMENT



1  
VT04  
PIT PLAN  
INMATE ELEVATOR 5  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

PIT REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF HOIST MACHINE SUPPORT. COORDINATE FINAL PIT REACTIONS WITH ELEVATOR SHOP DRAWINGS.

PIT REACTION TABLE		
DUTY: 4500# @ 350 FPM		
KEY	REACTION (FORCES IN KIPS)	DESCRIPTION
(A)	52.4	CAR BUFFER
(B)	46.6	CWT BUFFER
(C)	33.6 EACH	CAR SAFETY (SEE CAR ITS RAIL FORCES)
(D)	*32.0	DRIVE MACHINE LOAD ON CAR RAIL COMBINED WITH CWT DEH LOAD ON CWT RAIL
(E)	*23.0	DYNAMIC LOAD ON CAR RAIL
(F)	*10.6	DYNAMIC LOAD ON CWT RAIL

\* THESE REACTIONS CAN OCCUR SIMULTANEOUSLY. OTHERWISE, REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

PIT NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.

PROVIDE PIT ACCESS LADDERS, LIGHT SWITCHES, LIGHTS, AND GFCI-PROTECTED UTILITY OUTLETS.

PROVIDE ONE PIT LADDER, LIGHT SWITCH, LIGHT FIXTURE, AND OUTLET PER ELEVATOR.

PROVIDE ADEQUATE STRUCTURAL SUPPORT REQUIRED FOR BUFFER AND RAIL FORCE REACTIONS.

OVERHEAD REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF SUPPORT FOR HOIST MACHINE AND DEAD END HITCHES. COORDINATE FINAL REACTIONS WITH ELEVATOR SHOP DRAWINGS.

OVERHEAD REACTION TABLE	
DUTY: 4500# @ 350 FPM	
KEY	REACTION (FORCES IN KIPS)
(G)	18.0 EACH
(H)	11.6 EACH

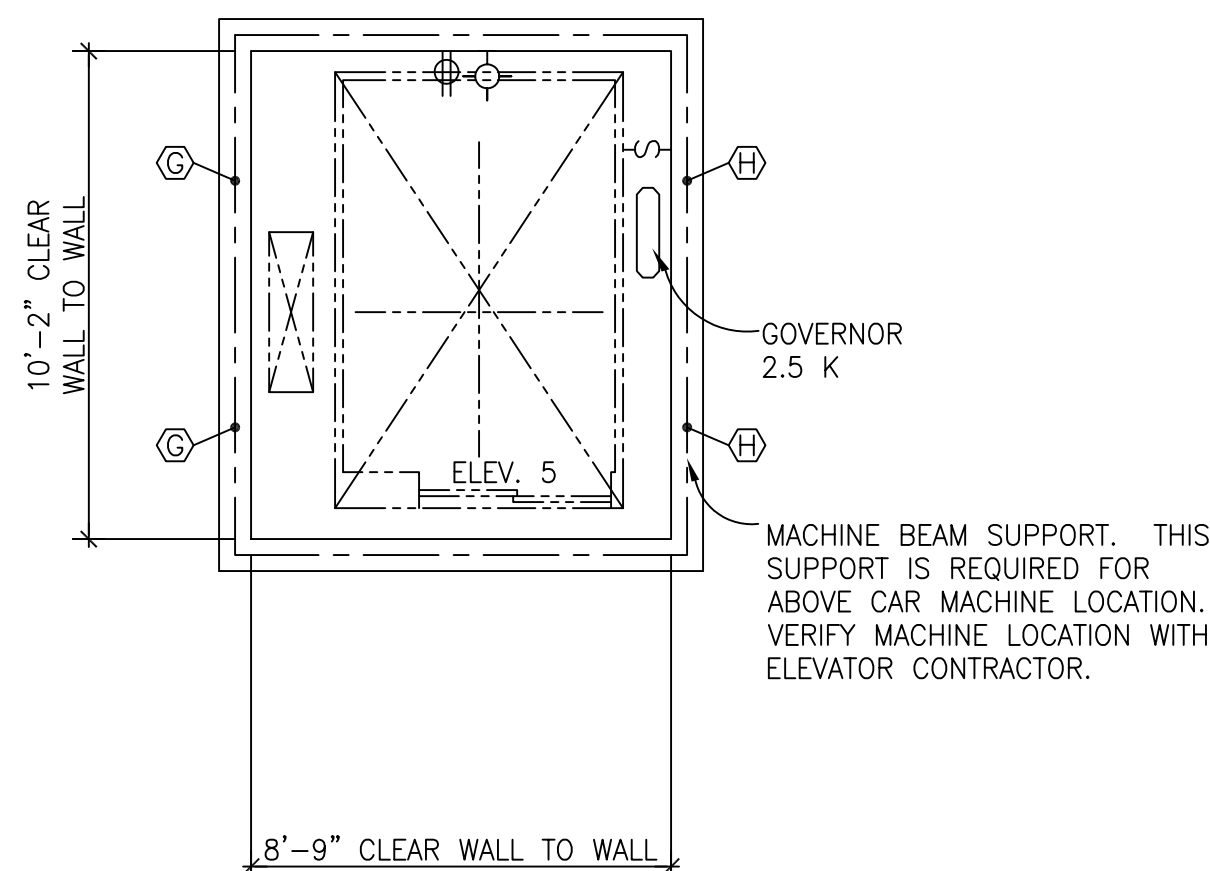
REACTIONS HAVE BEEN DOUBLED FOR IMPACT.

OVERHEAD NOTES:

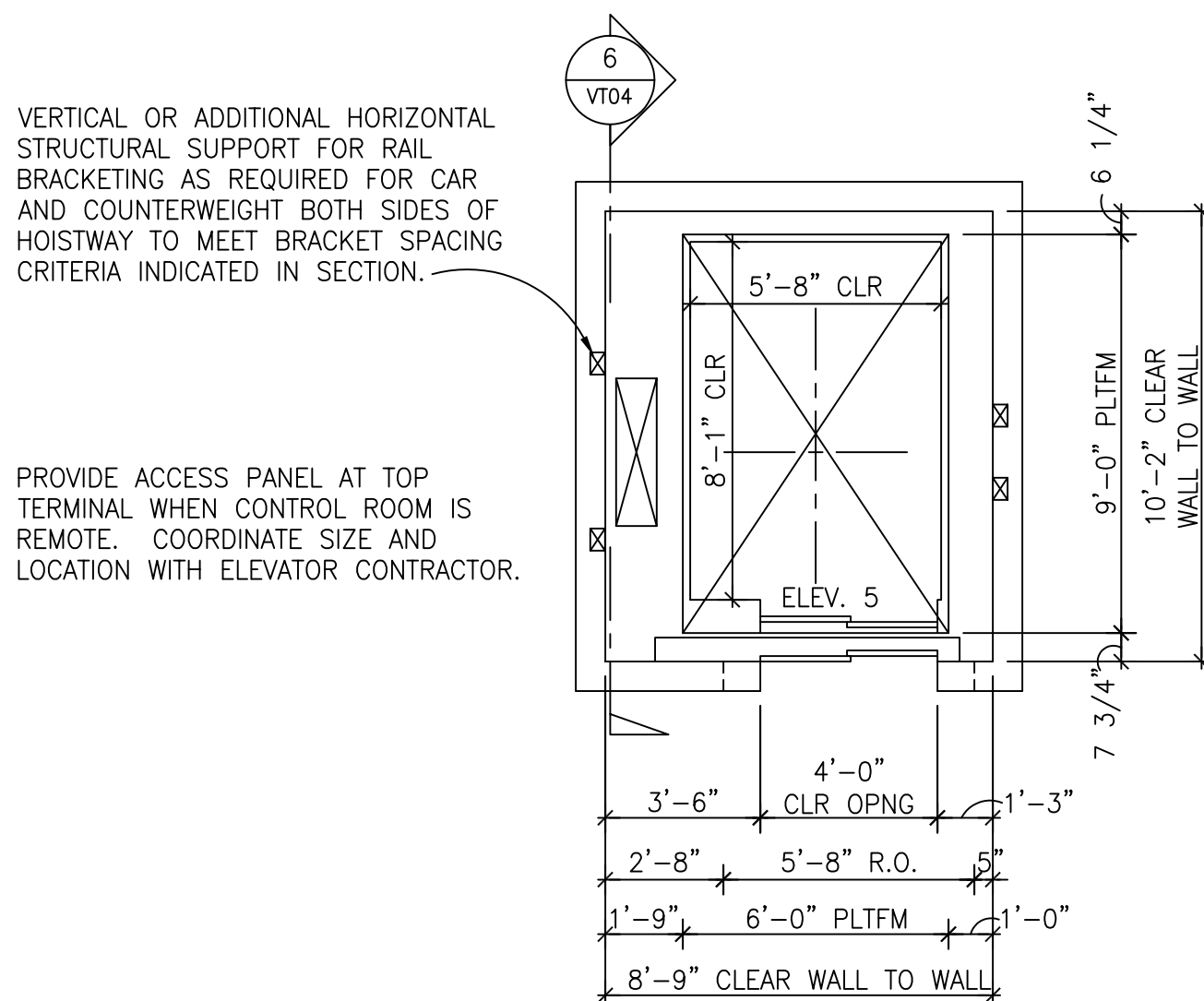
PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT TOP OF HOISTWAY.

PROVIDE LIGHTS, LIGHT SWITCHES AND GFCI-PROTECTED UTILITY OUTLETS. COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR.

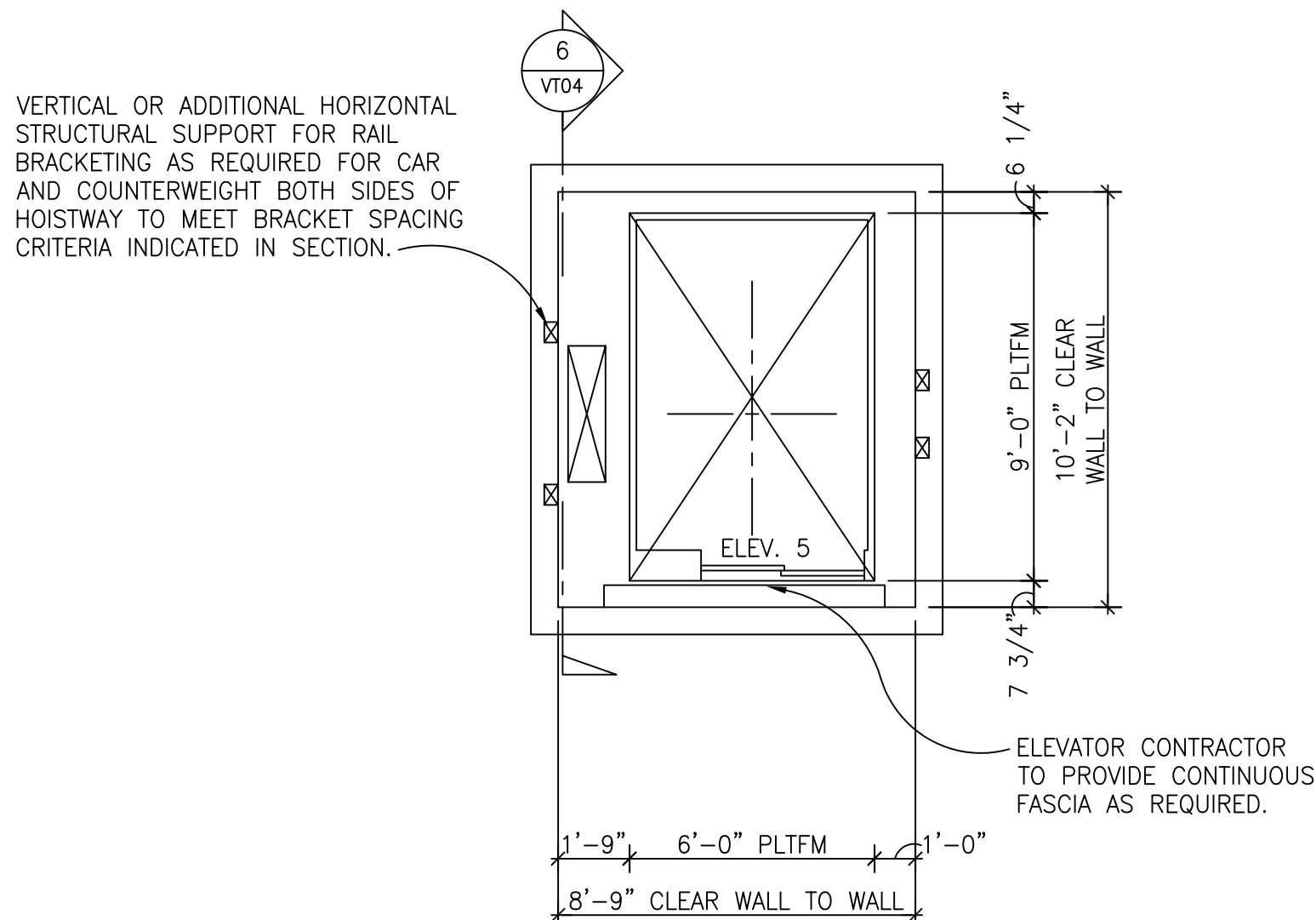
PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED.



4  
VT04  
OVERHEAD PLAN  
INMATE ELEVATOR 5  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM



2  
VT04  
LEVELS B-1 & 3-6  
HOISTWAY PLAN  
INMATE ELEVATOR 5  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM



3  
VT04  
LEVEL 2  
HOISTWAY PLAN - NO SERVICE  
INMATE ELEVATOR 5  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

5  
VT04  
REMOTE CONTROL ROOM PLAN  
INMATE ELEVATOR 5  
SCALE: 1/4" = 1'-0"

SEE 6/VT02 FOR REMOTE CONTROL ROOM PLAN

NOTES:  
- APPLICATION DESIGNED FOR:  
OTIS  
KONE  
THYSENKRUPP  
MITSUBISHI

PIT AND OVERHEAD PLANS INDICATE REACTIONS FOR MACHINE ROOM-LESS EQUIPMENT OF VARIOUS ELEVATOR VENDORS. WHERE REACTIONS OF DIFFERENT VENDORS OVERLAP, THE HIGHER REACTION IS INDICATED. REACTIONS FOR ONE VENDOR DO NOT OCCUR WITH THE REACTIONS OF OTHER VENDORS. OVERHEAD PLANS ARE NOT SHOWN FOR VENDORS WITH NO REACTIONS IN THE OVERHEAD.

PROVIDE 2 LIFELINE ATTACHMENTS AT THE TOP FRONT OF EACH HOISTWAY. EACH ATTACHMENT SHALL BE CAPABLE OF WITHSTANDING 5000# (2268 KG) LOAD PER OSHA. COORDINATE LOCATION OF ATTACHMENTS WITH ELEVATOR CONTRACTOR.

PROVIDE HOIST BEAM SUPPORT. MAKE HOIST BEAM(S) REMOVABLE IF NECESSARY TO MEET MIN CLEAR OVERHEAD DIMENSION. COORDINATE HOIST BEAM LOCATION(S) AND LOAD REQUIREMENTS WITH ELEVATOR CONTRACTOR.

ABOVE CAR MACHINE LOCATION. VERIFY FINAL LOCATION WITH ELEVATOR CONTRACTOR.

1070 MM (42") HIGH RAILING PER CODE BY ELEVATOR CONTRACTOR.

SIDE CWT/MACHINE LOCATION. VERIFY FINAL LOCATION WITH ELEVATOR CONTRACTOR.

MINIMUM TOTAL SMOKE VENTING REQUIRED TO OUTSIDE AIR: 3.0 SF OR 3.5% OF HOISTWAY AREA (WHICHEVER IS GREATER) PER ELEVATOR.

FOR CERTAIN MRL VENDORS, PROVIDE ADDITIONAL LATERAL SUPPORTS ABOVE THE TOP TERMINAL FOR THE LARGE GUIDE RAIL FORCES DUE TO HOIST MACHINE, DEFLECTOR SHEAVE, AND DEAD END HITCH LOADS. COORDINATE LOADING REQUIREMENTS AND LOCATIONS WITH ELEVATOR CONTRACTOR.

MACHINE BEAM SUPPORT. THIS SUPPORT IS REQUIRED FOR ABOVE CAR MACHINE LOCATIONS. VERIFY MACHINE LOCATION WITH ELEVATOR CONTRACTOR.

PROVIDE STRUCTURAL SUPPORT, FOR CAR AND CWT GUIDE RAIL FASTENING AT MAX. VERTICAL SPACING THROUGH TOP OF HOISTWAY AS SPECIFIED IN RAIL SUPPORT TABLE. IF THIS SPACING CANNOT BE MAINTAINED, PROVIDE INTERMEDIATE SUPPORT BEAMS OR CONTINUOUS VERTICAL STRUCTURE BETWEEN FLOOR BEAMS.

RAIL SUPPORT TABLE		
CAR GUIDE RAIL	10'-6"	MAX SPAN
CWT GUIDE RAIL	10'-6"	MAX SPAN

TOP TERMINAL LEVEL 6

NOTE: ALL VERTICAL DIMENSIONS THAT ARE DIMENSIONED FROM A BUILDING FLOOR ELEVATION ARE DIMENSIONED TO THE FINISH FLOOR ELEVATION.

FLOOR NUMBER	OPENING REAR/FRONT	FLOOR HEIGHT (FT)
6	F	
5	F	16'-8"
4	F	16'-8"
3	F	16'-8"
2	NO SERVICE	16'-8"
1	F	16'-8"
B	F	16'-8"
TOTAL OPENINGS	6	
STOPS	6	
TRAVEL		100'-0"

VERTICAL OR ADDITIONAL HORIZONTAL STRUCTURAL SUPPORT FOR RAIL BRACKETING AS REQUIRED FOR CAR AND COUNTERWEIGHT BOTH SIDES OF HOISTWAY TO MEET BRACKET SPACING CRITERIA INDICATED IN SECTION.

ELEVATOR CONTRACTOR TO PROVIDE COUNTERWEIGHT GUARD PER CODE.

PROVIDE WATERPROOF PIT, INDIRECT WASTE DRAIN OR SUMP WITH FLUSH GRATING COVER.

NO OCCUPIED SPACE BELOW HOISTWAY

6  
VT04  
HOISTWAY SECTION  
INMATE ELEVATOR 5  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

Consultants

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LANDSCAPE

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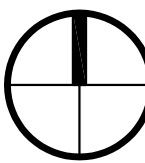
Revisions

NEW SNOHOMISH  
COUNTY  
COURTHOUSE

2933 Rockefeller Ave.  
Everett, Washington 98201

Drawing Title

PLANS AND  
HOISTWAY SECTION  
JUDICIAL  
ELEVATORS 6-7



Date: 05.22.2015  
Job No: HIL-1309100  
Drawn By: RFM  
Checked By: DM

Drawing No.

VT05  
DESIGN  
DEVELOPMENT

PIT REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF HOIST MACHINE SUPPORT. COORDINATE FINAL PIT REACTIONS WITH ELEVATOR SHOP DRAWINGS.

PIT REACTION TABLE		
ELEVATOR 6: DUTY: 3500# @ 350 FPM		
KEY	REACTION (FORCES IN KIPS)	DESCRIPTION
(A)	51.9	CAR BUFFER
(B)	48.6	CWT BUFFER
(C)	31.2 EACH	CAR SAFETY (SEE CAR R3 RAIL FORCES)
ELEVATOR 7: DUTY: 4500# @ 350 FPM		
KEY	REACTION (FORCES IN KIPS)	DESCRIPTION
(D)	52.4	CAR BUFFER
(E)	46.6	CWT BUFFER
(F)	33.6 EACH	CAR SAFETY (SEE CAR R3 RAIL FORCES)
(G)	*32.0	DRIVE MACHINE LOAD ON CAR RAIL COMBINED WITH CWT DEH LOAD ON CWT RAIL
(H)	*23.0	DYNAMIC LOAD ON CAR RAIL
(I)	*10.6	DYNAMIC LOAD ON CWT RAIL

\* THESE REACTIONS CAN OCCUR SIMULTANEOUSLY. OTHERWISE, REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

PIT NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.

PROVIDE PIT ACCESS LADDERS, LIGHT SWITCHES, LIGHTS, AND GFCI-PROTECTED UTILITY OUTLETS.

PROVIDE ONE PIT LADDER, LIGHT SWITCH, LIGHT FIXTURE, AND OUTLET PER ELEVATOR.

PROVIDE ADEQUATE STRUCTURAL SUPPORT REQUIRED FOR BUFFER AND RAIL FORCE REACTIONS.

OVERHEAD REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF SUPPORT FOR HOIST MACHINE AND DEAD END HITCHES. COORDINATE FINAL REACTIONS WITH ELEVATOR SHOP DRAWINGS.

OVERHEAD REACTION TABLE	
ELEVATOR 6: DUTY: 3500# @ 350 FPM	
KEY	REACTION (FORCES IN KIPS)
(J)	17.6 EACH
(K)	11.8 EACH
ELEVATOR 7: DUTY: 4500# @ 350 FPM	
KEY	REACTION (FORCES IN KIPS)
(L)	18.0 EACH
(M)	11.6 EACH

REACTIONS HAVE BEEN DOUBLED FOR IMPACT.

OVERHEAD NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT TOP OF HOISTWAY.

PROVIDE LIGHTS, LIGHT SWITCHES AND GFCI-PROTECTED UTILITY OUTLETS. COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR.

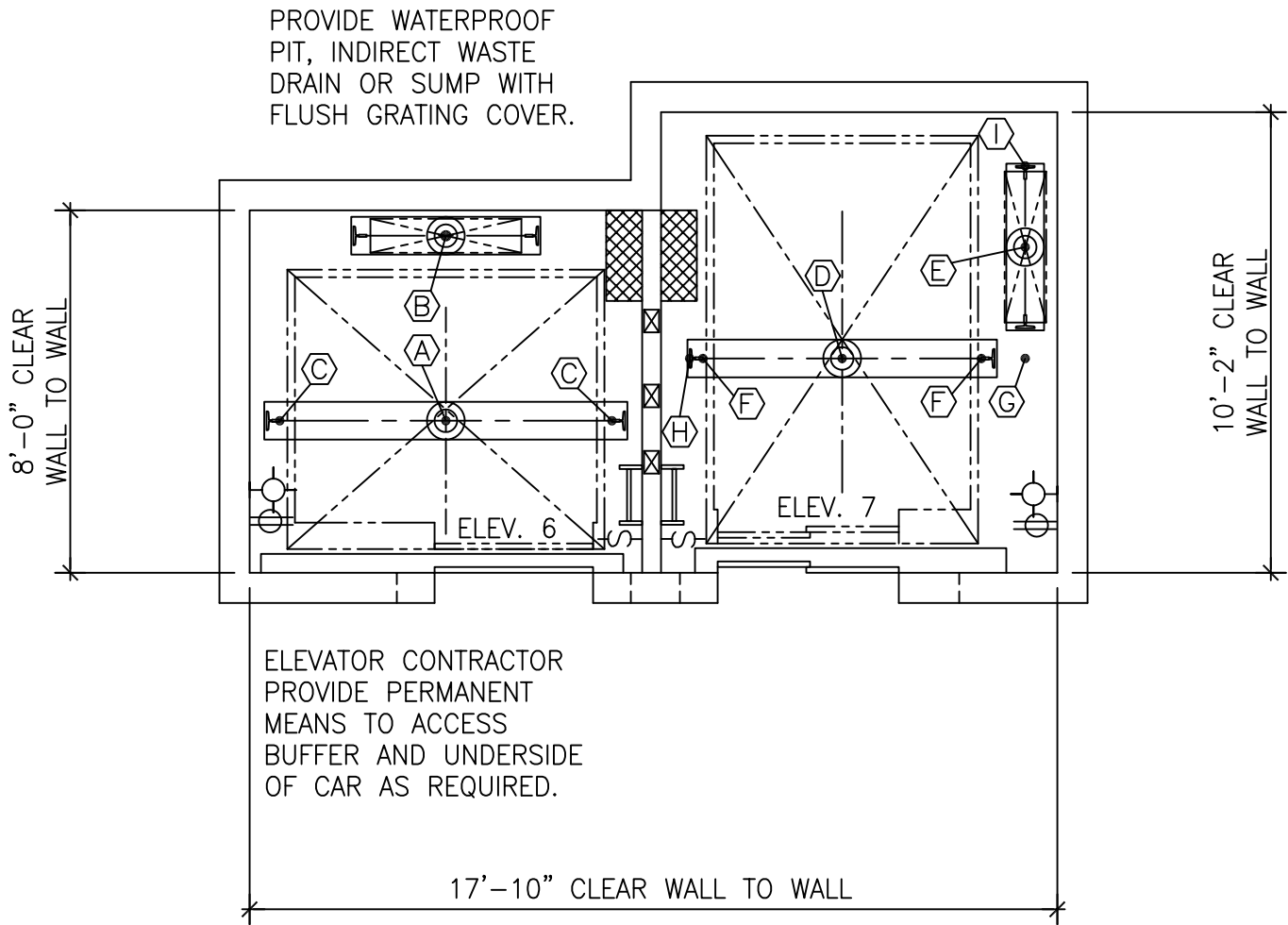
PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED.

NOTES:

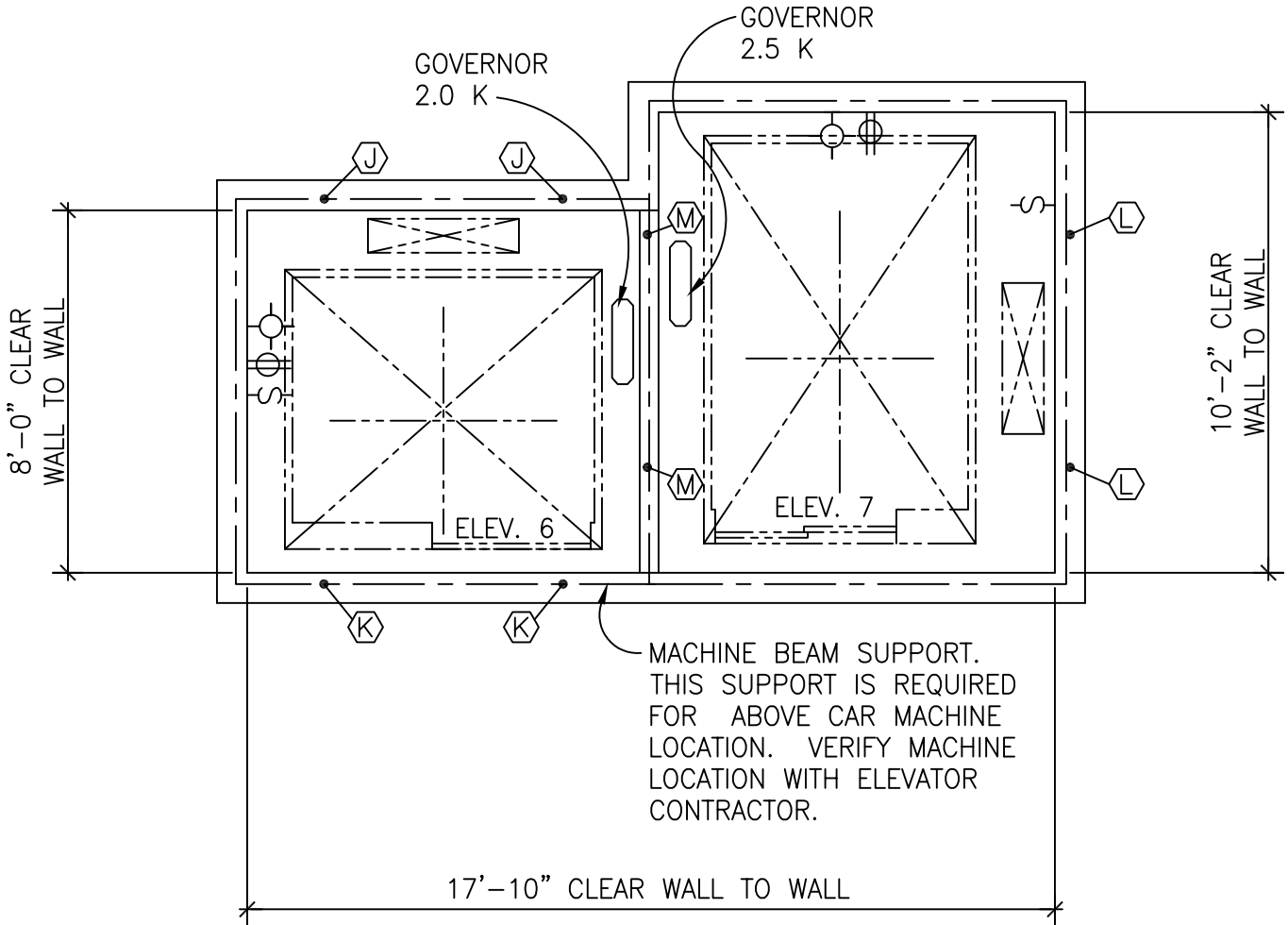
— APPLICATION DESIGNED FOR:

OTIS  
KONE  
THYSSENKRUPP  
MITSUBISHI

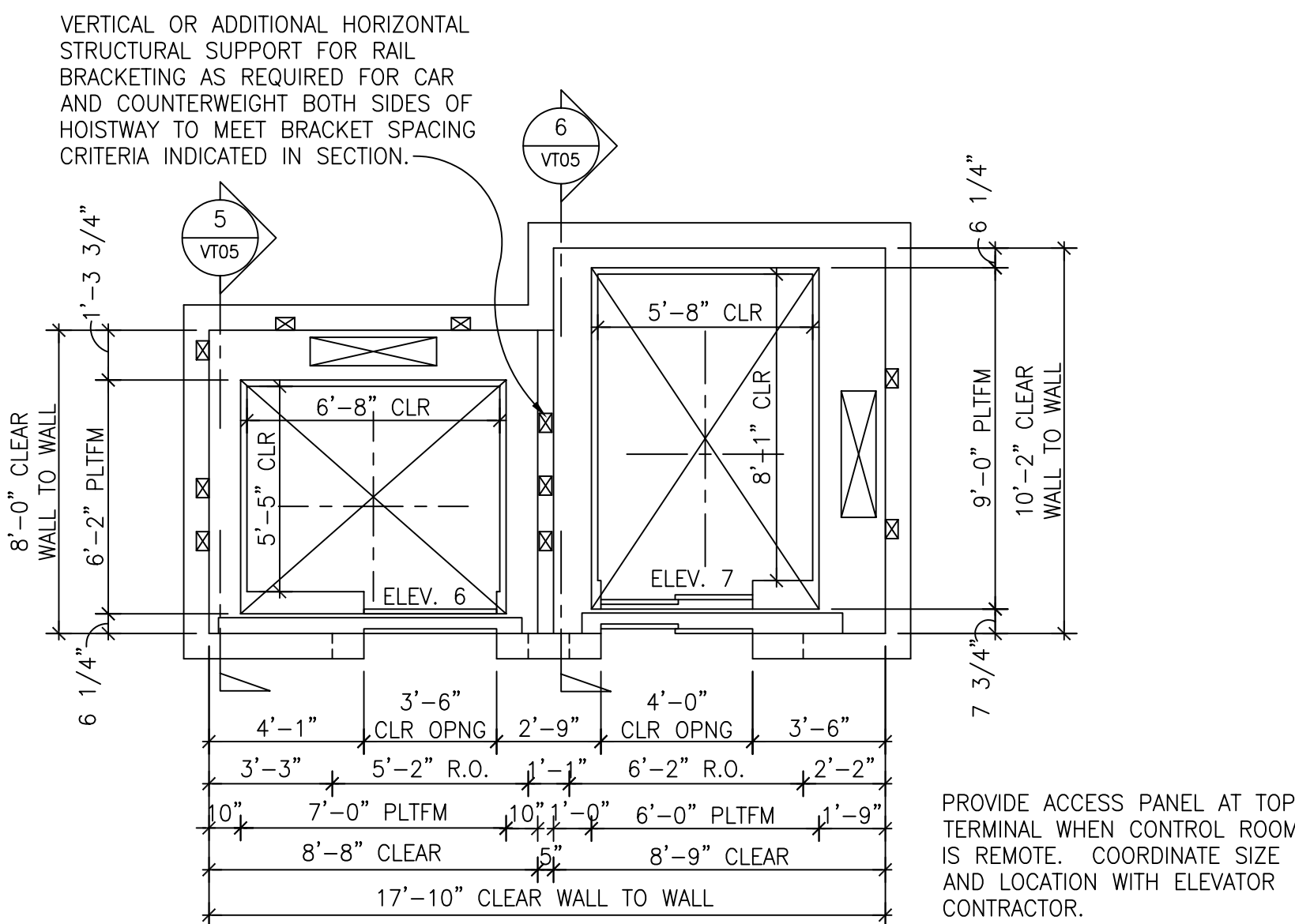
PIT AND OVERHEAD PLANS INDICATE REACTIONS FOR MACHINE ROOM—LESS EQUIPMENT OF VARIOUS ELEVATOR VENDORS. WHERE REACTIONS OF DIFFERENT VENDORS OVERLAP, THE HIGHER REACTION IS INDICATED. REACTIONS FOR ONE VENDOR DO NOT OCCUR WITH THE REACTIONS OF OTHER VENDORS. OVERHEAD PLANS ARE NOT SHOWN FOR VENDORS WITH NO REACTIONS IN THE OVERHEAD.



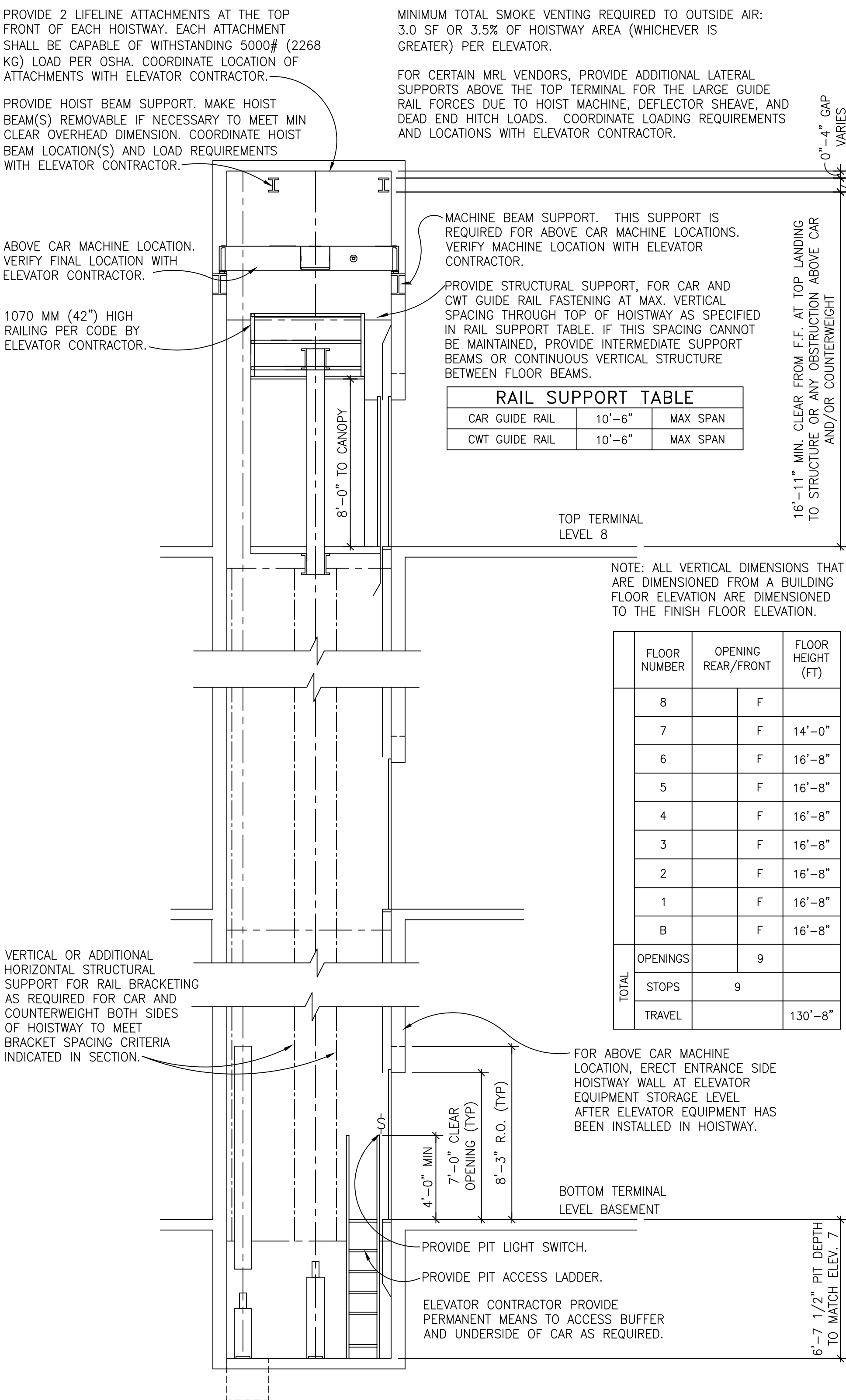
1  
VT05  
PIT PLAN  
JUDICIAL ELEVATORS 6-7  
SCALE: 1/4" = 1'-0"  
ELEVATOR 6: DUTY: 3500# @ 350 FPM  
ELEVATOR 7: DUTY: 4500# @ 350 FPM



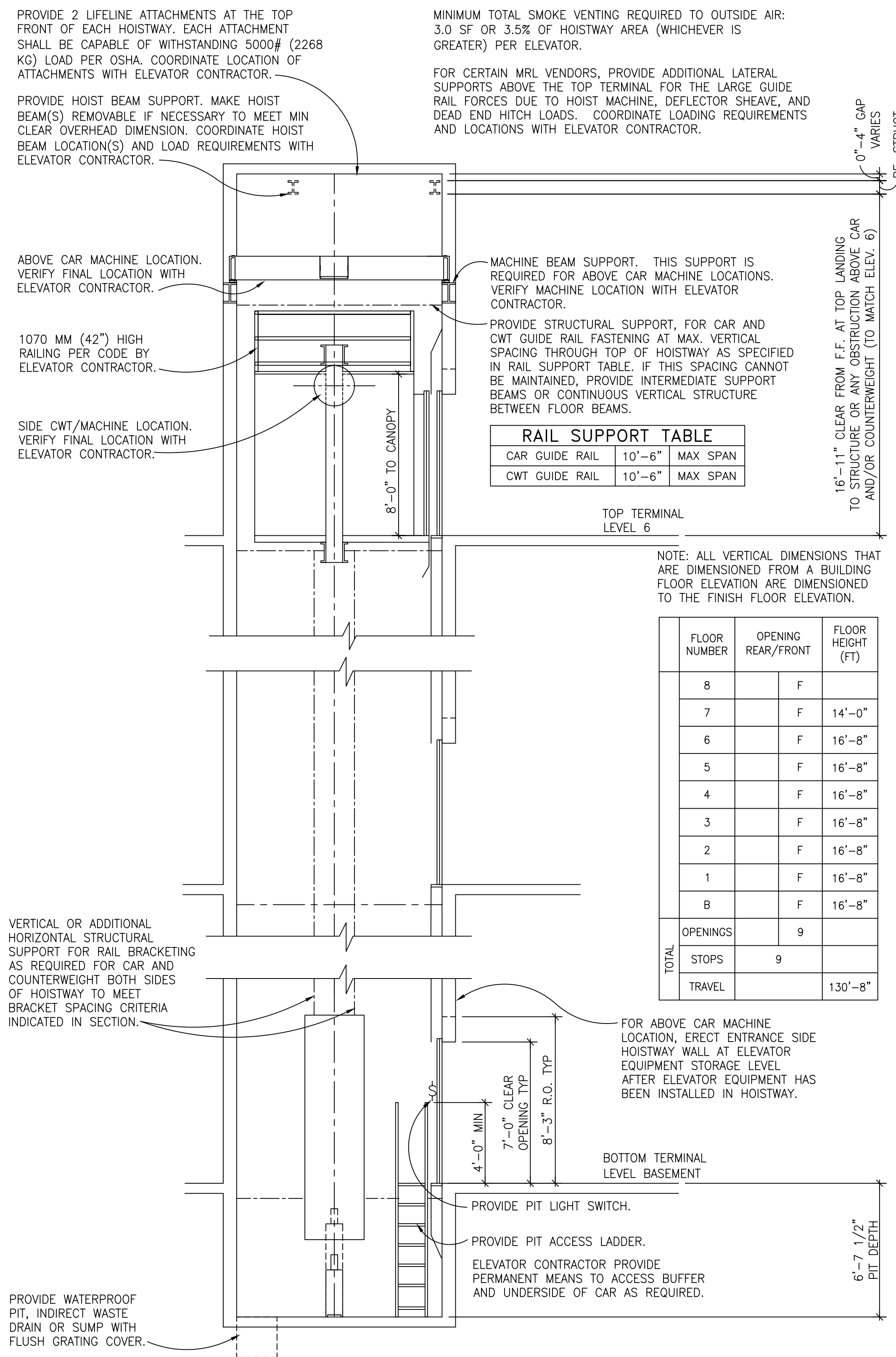
4  
VT05  
OVERHEAD PLAN  
JUDICIAL ELEVATORS 6-7  
SCALE: 1/4" = 1'-0"  
ELEVATOR 6: DUTY: 3500# @ 350 FPM  
ELEVATOR 7: DUTY: 4500# @ 350 FPM



2  
VT05  
HOISTWAY PLAN  
JUDICIAL ELEVATORS 6-7  
SCALE: 1/4" = 1'-0"  
ELEVATOR 6: DUTY: 3500# @ 350 FPM  
ELEVATOR 7: DUTY: 4500# @ 350 FPM



5  
VT05  
HOISTWAY SECTION  
JUDICIAL ELEVATOR 6  
SCALE: 1/4" = 1'-0"  
ELEVATOR 6: DUTY: 3500# @ 350 FPM



6  
VT05  
HOISTWAY SECTION  
JUDICIAL ELEVATOR 7  
SCALE: 1/4" = 1'-0"  
ELEVATOR 7: DUTY: 4500# @ 350 FPM

SEE 6/VT02 FOR REMOTE CONTROL ROOM PLAN

3  
VT05  
REMOTE CONTROL ROOM PLAN  
JUDICIAL ELEVATORS 6-7  
SCALE: 1/4" = 1'-0"  
ELEVATOR 6: DUTY: 3500# @ 350 FPM  
ELEVATOR 7: DUTY: 4500# @ 350 FPM



Consultants

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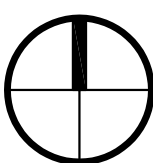
Revisions

NEW SNOHOMISH  
COUNTY  
COURTHOUSE

2933 Rockefeller Ave.  
Everett, Washington 98201

Drawing Title

PLANS AND  
HOISTWAY SECTION  
INMATE ELEVATOR 8



Date: 05.22.2015  
Job No: HIL-1309100  
Drawn By: RFM  
Checked By: DM

Drawing No.

VT06  
DESIGN  
DEVELOPMENT

OVERHEAD REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF SUPPORT FOR HOIST MACHINE AND DEAD END HITCHES. COORDINATE FINAL REACTIONS WITH ELEVATOR SHOP DRAWINGS.

OVERHEAD REACTION TABLE	
DUTY: 4500# @ 350 FPM	
KEY	REACTION (FORCES IN KIPS)
(C)	18.0 EACH
(H)	11.6 EACH

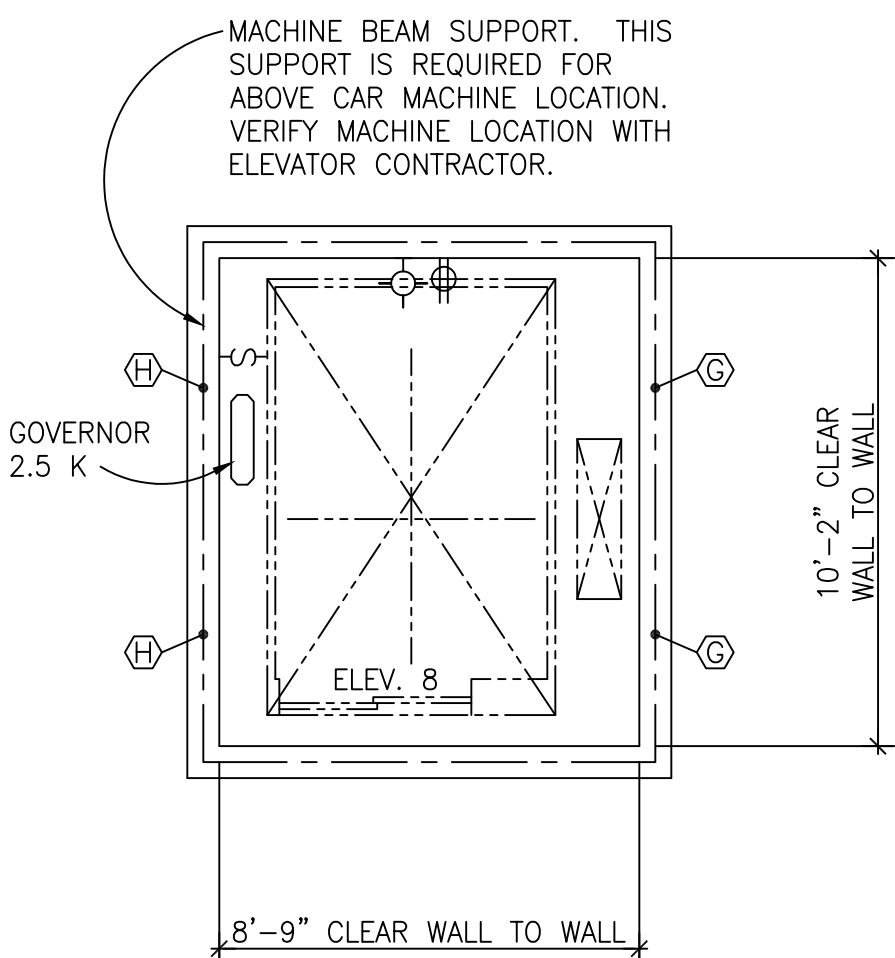
REACTIONS HAVE BEEN DOUBLED FOR IMPACT.

OVERHEAD NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT TOP OF HOISTWAY.

PROVIDE LIGHTS, LIGHT SWITCHES AND GFCI-PROTECTED UTILITY OUTLETS. COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR.

PROVIDE STRUCTURAL SUPPORT TO SUSTAIN REACTIONS INDICATED.



OVERHEAD PLAN  
INMATE ELEVATOR 8  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

PROVIDE 2 LIFELINE ATTACHMENTS AT THE TOP FRONT OF EACH HOISTWAY. EACH ATTACHMENT SHALL BE CAPABLE OF WITHSTANDING 5000# (2268 KG) LOAD PER OSHA. COORDINATE LOCATION OF ATTACHMENTS WITH ELEVATOR CONTRACTOR.

PROVIDE HOIST BEAM SUPPORT. MAKE HOIST BEAM(S) REMOVABLE IF NECESSARY TO MEET MIN CLEAR OVERHEAD DIMENSION. COORDINATE HOIST BEAM LOCATION(S) AND LOAD REQUIREMENTS WITH ELEVATOR CONTRACTOR.

ABOVE CAR MACHINE LOCATION. VERIFY FINAL LOCATION WITH ELEVATOR CONTRACTOR.

1070 MM (42") HIGH RAILING PER CODE BY ELEVATOR CONTRACTOR.

SIDE CWT/MACHINE LOCATION. VERIFY FINAL LOCATION WITH ELEVATOR CONTRACTOR.

MINIMUM TOTAL SMOKE VENTING REQUIRED TO OUTSIDE AIR: 3.0 SF OR 3.5% OF HOISTWAY AREA (WHICHEVER IS GREATER) PER ELEVATOR.

FOR CERTAIN MRL VENDORS, PROVIDE ADDITIONAL LATERAL SUPPORTS ABOVE THE TOP TERMINAL FOR THE LARGE GUIDE RAIL FORCES DUE TO HOIST MACHINE, DEFLECTOR SHEAVE, AND DEAD END HITCH LOADS. COORDINATE LOADING REQUIREMENTS AND LOCATIONS WITH ELEVATOR CONTRACTOR.

MACHINE BEAM SUPPORT. THIS SUPPORT IS REQUIRED FOR ABOVE CAR MACHINE LOCATIONS. VERIFY MACHINE LOCATION WITH ELEVATOR CONTRACTOR.

PROVIDE STRUCTURAL SUPPORT, FOR CAR AND CWT GUIDE RAIL FASTENING AT MAX. VERTICAL SPACING THROUGH TOP OF HOISTWAY AS SPECIFIED IN RAIL SUPPORT TABLE. IF THIS SPACING CANNOT BE MAINTAINED, PROVIDE INTERMEDIATE SUPPORT BEAMS OR CONTINUOUS VERTICAL STRUCTURE BETWEEN FLOOR BEAMS.

RAIL SUPPORT TABLE		
CAR GUIDE RAIL	10'-6"	MAX SPAN
CWT GUIDE RAIL	10'-6"	MAX SPAN

TOP TERMINAL  
LEVEL 8

NOTE: ALL VERTICAL DIMENSIONS THAT ARE DIMENSIONED FROM A BUILDING FLOOR ELEVATION ARE DIMENSIONED TO THE FINISH FLOOR ELEVATION.

FLOOR NUMBER	OPENING REAR/FRONT	FLOOR HEIGHT (FT)
8	F	
7	NO SERVICE	14'-0"
6	F	16'-8"
5	F	16'-8"
4	F	16'-8"
3	F	16'-8"
2	NO SERVICE	16'-8"
1	NO SERVICE	16'-8"
B	F	16'-8"
OPENINGS	6	
STOPS	6	
TRAVEL		130'-8"

VERTICAL OR ADDITIONAL HORIZONTAL STRUCTURAL SUPPORT FOR RAIL BRACKETING AS REQUIRED FOR CAR AND COUNTERWEIGHT BOTH SIDES OF HOISTWAY TO MEET BRACKET SPACING CRITERIA INDICATED IN SECTION.

FOR ABOVE CAR MACHINE LOCATION, ERECT ENTRANCE SIDE HOISTWAY WALL AT ELEVATOR EQUIPMENT STORAGE LEVEL AFTER ELEVATOR EQUIPMENT HAS BEEN INSTALLED IN HOISTWAY.

BOTTOM TERMINAL  
LEVEL BASEMENT

PROVIDE PIT LIGHT SWITCH.

PROVIDE PIT ACCESS LADDER.

ELEVATOR CONTRACTOR PROVIDE PERMANENT MEANS TO ACCESS BUFFER AND UNDERSIDE OF CAR AS REQUIRED.

PROVIDE WATERPROOF PIT, INDIRECT WASTE DRAIN OR SUMP WITH FLUSH GRATING COVER.

NO OCCUPIED SPACE  
BELOW HOISTWAY

HOISTWAY SECTION  
INMATE ELEVATOR 8  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

PIT REACTIONS VARY PER VENDOR BASED ON CWT LOCATION AND METHOD OF HOIST MACHINE SUPPORT. COORDINATE FINAL PIT REACTIONS WITH ELEVATOR SHOP DRAWINGS.

PIT REACTION TABLE		
DUTY: 4500# @ 350 FPM		
KEY	REACTION (FORCES IN KIPS)	DESCRIPTION
(A)	52.4	CAR BUFFER
(B)	46.6	CWT BUFFER
(C)	33.6 EACH	CAR SAFETY (SEE CAR R3 RAIL FORCES)
(D)	*32.0	DRIVE MACHINE LOAD ON CAR RAIL COMBINED WITH CWT DEH LOAD ON CWT RAIL
(E)	*23.0	DYNAMIC LOAD ON CAR RAIL
(F)	*10.6	DYNAMIC LOAD ON CWT RAIL

\* THESE REACTIONS CAN OCCUR SIMULTANEOUSLY. OTHERWISE, REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

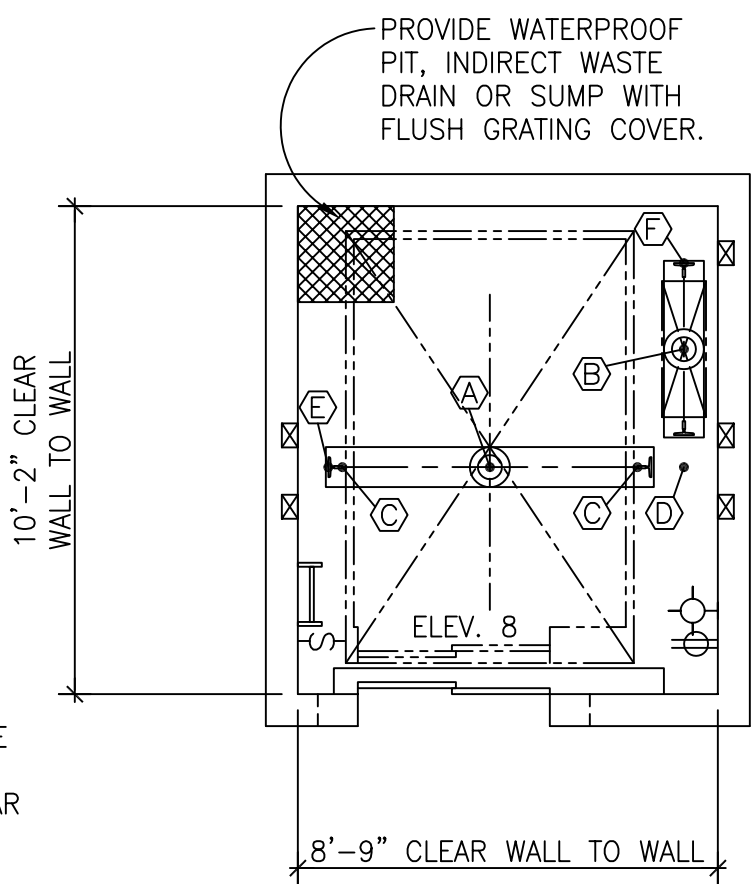
PIT NOTES:

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.

PROVIDE PIT ACCESS LADDERS, LIGHT SWITCHES, LIGHTS, AND GFCI-PROTECTED UTILITY OUTLETS.

PROVIDE ONE PIT LADDER, LIGHT SWITCH, LIGHT FIXTURE, AND OUTLET PER ELEVATOR.

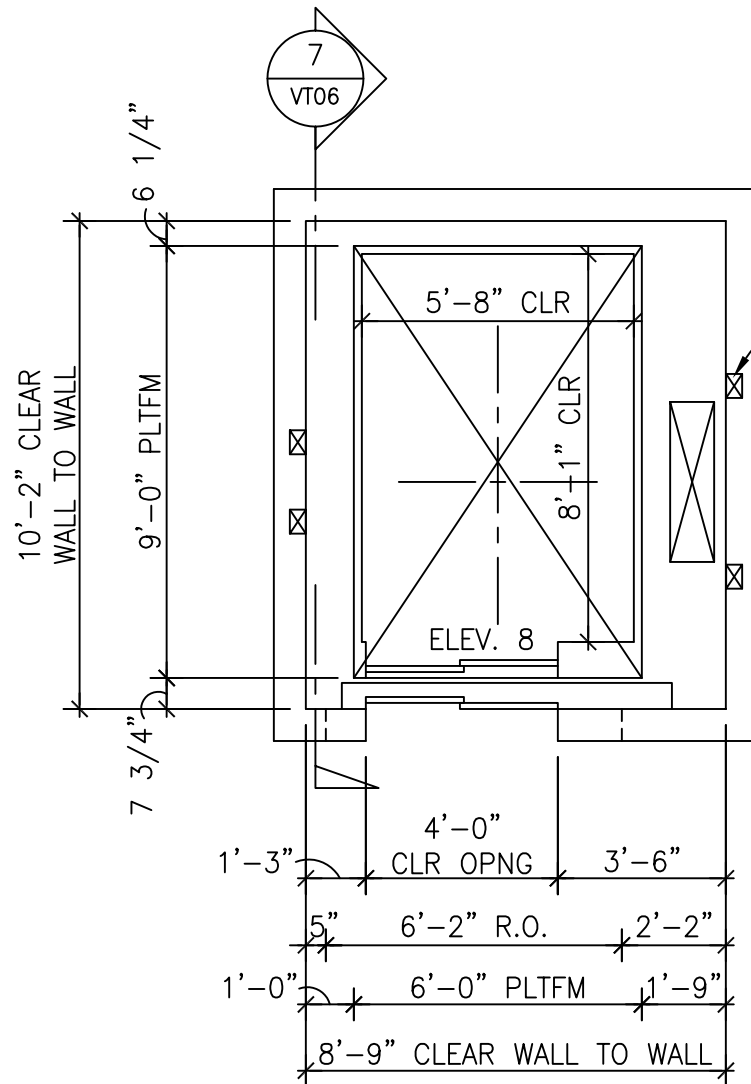
PROVIDE ADEQUATE STRUCTURAL SUPPORT REQUIRED FOR BUFFER AND RAIL FORCE REACTIONS.



PIT PLAN  
INMATE ELEVATOR 8  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

CORNER CWT SHOWN, CENTER CWT NOT SHOWN FOR CLARITY.

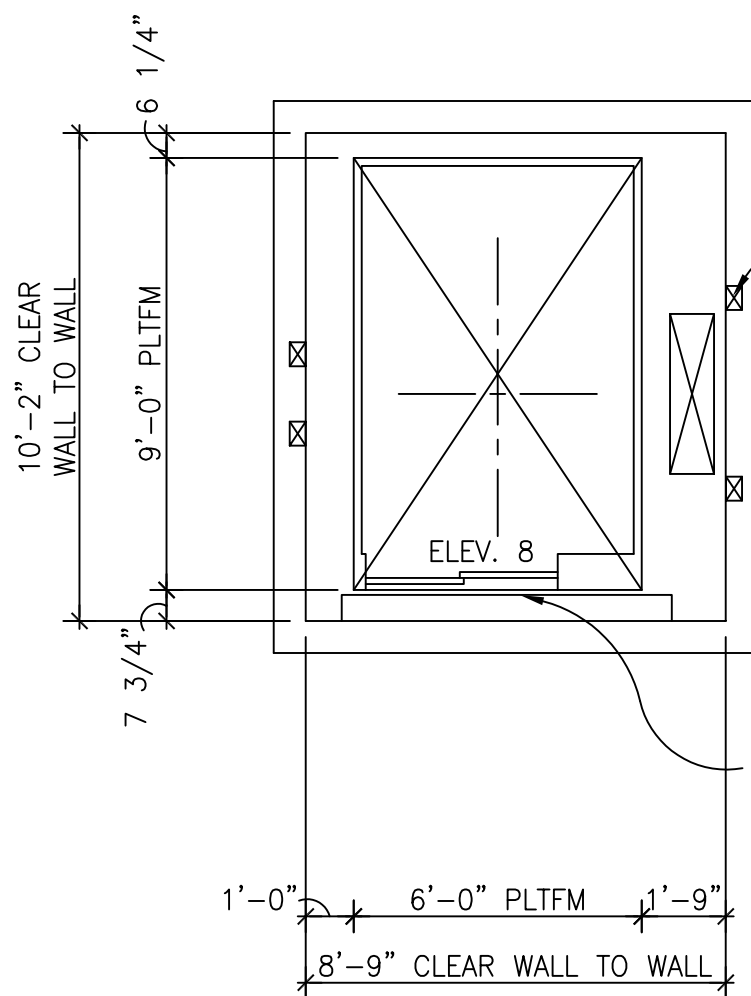
ELEVATOR CONTRACTOR PROVIDE PERMANENT MEANS TO ACCESS BUFFER AND UNDERSIDE OF CAR AS REQUIRED.



LEVELS B, 3-6, & 8  
HOISTWAY PLAN  
INMATE ELEVATOR 8  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

VERTICAL OR ADDITIONAL HORIZONTAL STRUCTURAL SUPPORT FOR RAIL BRACKETING AS REQUIRED FOR CAR AND COUNTERWEIGHT BOTH SIDES OF HOISTWAY TO MEET BRACKET SPACING CRITERIA INDICATED IN SECTION.

PROVIDE ACCESS PANEL AT TOP TERMINAL WHEN CONTROL ROOM IS REMOTE. COORDINATE SIZE AND LOCATION WITH ELEVATOR CONTRACTOR.



LEVELS 1-2 & 7  
HOISTWAY PLAN - NO SERVICE  
INMATE ELEVATOR 8  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

VERTICAL OR ADDITIONAL HORIZONTAL STRUCTURAL SUPPORT FOR RAIL BRACKETING AS REQUIRED FOR CAR AND COUNTERWEIGHT BOTH SIDES OF HOISTWAY TO MEET BRACKET SPACING CRITERIA INDICATED IN SECTION.

ELEVATOR CONTRACTOR TO PROVIDE CONTINUOUS FASCIA AS REQUIRED.

CONTROL ROOM NOTES:

PROVIDE SELF-CLOSING, SELF-LOCKING CONTROL ROOM ACCESS DOOR.

PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT CONTROL ROOM FLOOR.

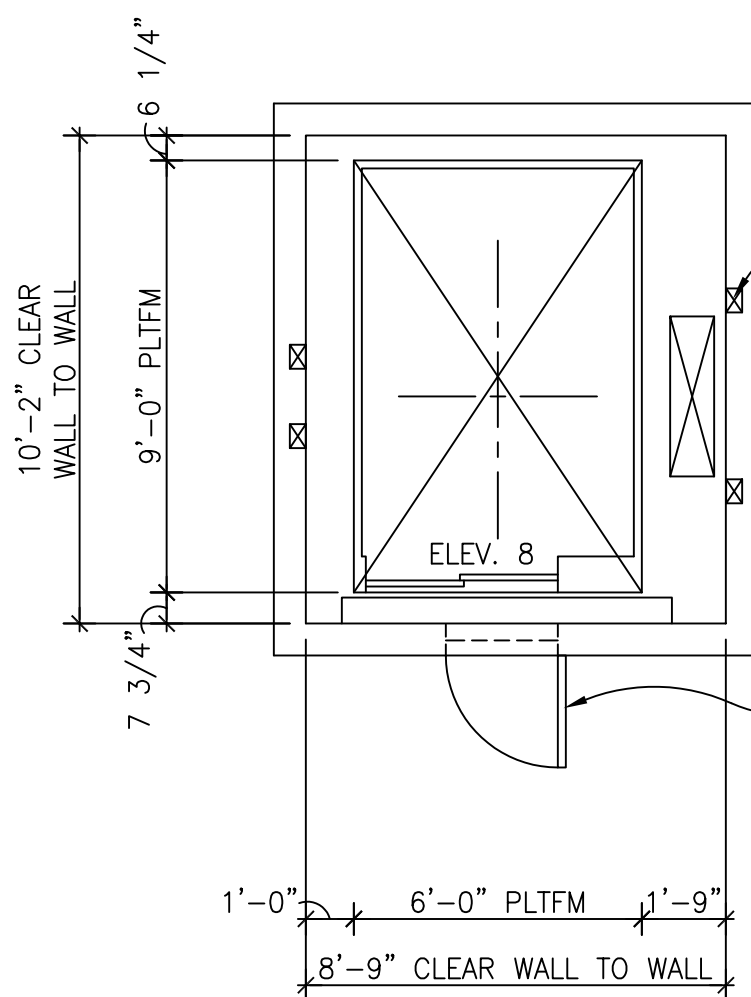
PROVIDE LIGHT(S), LIGHT SWITCH(ES) AND GFCI-PROTECTED UTILITY OUTLET(S). COORDINATE LOCATIONS WITH ELEVATOR CONTRACTOR.

FOR CONTROL ROOM HEAT EMISSIONS SEE 5/VT01

PROVIDE 3-PHASE MAINLINE POWER FEEDER WITH DISCONNECTING MEANS FOR EACH ELEVATOR CONTROLLER. PROVIDE 1-PHASE FEEDER WITH DISCONNECTING MEANS FOR CAR LIGHTING, VENTILATION SYSTEM AND RECEPTACLE FOR EACH ELEVATOR. THESE DISCONNECTING MEANS SHALL INCLUDE OVERCURRENT PROTECTION, SHALL BE LOCATED IN THE MACHINE ROOM, AND SHALL MEET N.E.C. REQUIREMENTS.

FOR MOST VENDORS, CONTROLLER MUST BE WITHIN 80' WIRE RUN LENGTH FROM THE CORRESPONDING MACHINE AT THE TOP OF THE HOISTWAY.

ROOF LEVEL  
REMOTE CONTROL ROOM PLAN  
INMATE ELEVATOR 8  
SCALE: 1/4" = 1'-0"



LEVELS 1-2  
EMERGENCY EGRESS PLAN  
INMATE ELEVATOR 8  
SCALE: 1/4" = 1'-0"  
DUTY: 4500# @ 350 FPM

VERTICAL OR ADDITIONAL HORIZONTAL STRUCTURAL SUPPORT FOR RAIL BRACKETING AS REQUIRED FOR CAR AND COUNTERWEIGHT BOTH SIDES OF HOISTWAY TO MEET BRACKET SPACING CRITERIA INDICATED IN SECTION.

PROVIDE EMERGENCY EGRESS DOOR AT EVERY THIRD FLOOR, NOT TO EXCEED 11 M (36') SILL TO SILL. MIN DOOR SIZE: 700 MM (28") W. X 2030 MM (80") H.